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ABSTRACT

Principal objectives of a Texas project conducted from July 1974 through December 1976 were to complete the research, development, and implementation of statewide matching of supply by occupation (those available for employment) to demand by occupation (employment opportunities). The problem was approached through a modular system consisting of three main subsystems: Supply, demand, and match subsystems. "A Labor Market Supply/Demand Report--One Year Projection (1977)" is the result of these matchings. It was concluded that a great need exists for better data definitions and collection systems, and that an ever increasing necessity for supply/demand data mandates continued manpower data research. In addition standardized occupational and educational coding structures should be initiated at the Federal, State, and local levels. (The projection report is included along with notes on its data limitations. An extensive appendix includes a numerical and alphabetical index to U.S. Office of Education clusters, an index to occupations, techniques used for allocations of demand, several course/occupation linkage codes, and a list of substate supply/demand reports and additional documents which are available.) (BL)

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FINAL REPORT

Project No. V0043VZ
Grant No. OEG-0-74-7838

TEXAS SUPPLY/DEMAND INFORMATION SYSTEM FOR VOCATIONAL EDUCATION

Research Project in Vocational Education
Conducted Under
Part C of Public Law 90-576

The project report herein was performed pursuant to a grant from the Office of Education, U. S. Department of Health, Education, and Welfare. Contractors or grantees undertaking such projects under government sponsorship are encouraged to express freely their professional judgment in the conduct of the project. Points of view or opinions stated do not, therefore, necessarily represent official Office of Education position or policy.

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BRIEF HISTORY

The need for information systems, such as the Texas Supply/Demand Information System, has been recognized for many years. The U.S. Congress passed the Vocational Education Act of 1963, which mandated the collection of data to meet "the comprehensive long-range goal in occupational education to plan, develop and provide high quality occupational education which is readily accessible to all communities, which is suited to the needs, interests and abilities of all persons who participate, and which is realistic in terms of actual and anticipated opportunities for gainful employment."

In order to accomplish this task of collecting data, in 1971 the Advisory Council for Technical Vocational Education recommended that the State Board of Education give top priority to the development of a supply/demand information system. The Texas Education Agency, the Texas Employment Commission, and the Governor's Office of Information Services coordinated the establishment of a Tri-Agency Task Force to design a supply/demand information system that would be systematic, visible, recurring, and responsive. This Task Force accomplished its mission, and the resulting conceptual design was approved by the participating agencies. In May of 1972 the Texas Education Agency and the Governor's Office of Information Services negotiated a contract for the latter to begin the initial system analysis and design. The Coordinating Board of Texas College and University System became a participant in the system in January of 1973. The U. S. Office of Education awarded a grant to the Governor's Office of Information Services to continue the system analysis and design, with a time period from July 1, 1974 to December 31, 1975. However, in December of 1974, Governor Briscoe announced his decision to move the operation areas out of his office into appropriate state agencies. The Texas Education Agency was asked to take over the fiscal and managerial responsibility for the Supply/Demand Information System. Region XIII Education Service Center was designated by the Texas Education Agency as the project's fiscal agent, while the Occupational Research and Development Division of the Occupational Education and Technology Department of the Texas Education Agency was designated to manage the project. The project was granted a no-cost time extension until Dec. 31, 1976 by the U. S. Office of Education.

SUMMARY

The research covered in this report was conducted during the time period July 1, 1974, through December 31, 1976. This includes a no-cost time extension from January 1, 1976, through December 31, 1976.

The principal objectives of this project were to complete the research, development, and implementation of statewide matching of supply by occupation (those available for employment) to demand by occupation (employment opportunities), and also substate supply/demand matching for selected areas.

In order to accomplish the above stated objectives, the problem was approached through a modular system consisting of the following main subsystems: Supply Subsystem, Demand Subsystem, and the Match Subsystem. Out of these subsystems came a number of usable reports, such as the Tables Directory, Cross-Reference Tables, an alphabetized index (by occupation) for entry into the various coding structures, making the reports more usable for researchers and planners.

SUPPLY SUBSYSTEM

The concept of including as many sources of occupational education supply as available is still considered a desirable procedure for the supply subsystem. Public education trains a substantial number of the individuals available for employment. Therefore, the first data input into the supply subsystem came from the Texas Education Agency's files on student enrollment in vocational education. The system, as designed, has the capability of adding additional supply data as it becomes available from state and federal agencies.

DEMAND SUBSYSTEM

The demand subsystem was designed to produce projections from occupational demand estimates utilizing currently existing state and federal data collection programs and data processing systems. Extensive use has been made of computer programs and procedures provided by the Manpower Administration and the Bureau of Labor Statistics of the U. S. Department of Labor.

MATCH SUBSYSTEM

The match sybsystem compares or "matches" supply by occupation with demand by occupation, using the previously mentioned subsystems. In reaching this point, research revealed the necessity of constructing complex translations from code to code in order to use data available from the various sources. These codes were analyzed, and computer programs were written to create a Tables Directory of occupational and educational codes and their respective titles. These translations or linkages are an integral part of the Supply/Demand Information System.

CONCLUSIONS AND RECOMMENDATIONS

There is an ever-increasing necessity for more and better supply/demand data to be used by planners and others who are involved in the allocation of educational resources. To meet this need, it is mandatory that manpower data research be continued.

There is a great need for additional and better data definitions and data collection systems, especially those dealing with the supply side of occupational information. Additional communication and support for standardizing occupational and educational coding structures should be initiated at the federal, state and local levels. The Higher Education General Information Survey Codes (HEGIS) should be linked to occupational coding systems, such as Dictionary of Occupational Titles (DOT), to assist in the analysis of the impact of supply from higher education on demand by occupation.

PROBLEM AREA

In Texas there was not adequate data by occupation to assure the most effective utilization of the federal, state, and local funds expended for training programs in vocational education. No system was available to relate projected manpower requirements by occupation to the projected number of students who are in public and private vocational training. The Advisory Council for Technical-Vocational Education in Texas (ACTVE) stated in their publication, Career Development . . . Up Close and Personal:[1]

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[1] Career Development. . . Up Close and Personal, The Advisory Council for Technical-Vocational Education in Texas, Oct., 1973, p. 12.

> "There is no one publication or central location at the local, state or national levels where people can determine through one phone call the projected number of jobs for a given occupation, in a given area with attached information as to the projected number of people training in that area to fill those jobs."

If this projected demand (number of jobs available) were to be matched to projected supply (number of people receiving training) for a given area, it would answer the needs recognized by the ACTVE and educational planners and administrators, especially those dealing with vocational education.

The ramifications of mismatching of educational programs with available job opportunities are enormous in terms of wasted talents and wasted tax dollars. In view of today's increasing taxation and also increasing criticism of the use of these tax dollars, the wise planner and administrator should take advantage of every available tool to aid in their far-reaching decisions. Educational supply and occupational demand data would also optimally be made available to the secondary and post-secondary student.

More and more people are seeing the necessity for such data, as evidenced in the growing number of newspaper and magazine articles dealing with the subject. Of special interest was an article in the April 26, 1976 Newsweek, "Who Needs College?" This article dealt with the needs of students to have adequate data on which to base career decisions, crucial in view of the glut of college students who must settle for jobs where they are "underemployed" or "overeducated." This leads to what is known as the "bumping phenomenon," e.g., persons with doctoral degrees, who must take positions formerly held by persons with master's degrees, who must take positions formerly held by persons with bachelors degrees, etc. The real loser in this scheme of things is the high school graduate with inadequate vocational skills. It is here where the greatest effort must be expended to equip the high school vocational graduate with the skills to be a contender in the labor market.

GOALS AND OBJECTIVES

The principal objectives of this particular project have been to complete the research, development, and implementation of the Statewide Supply/Demand Match and the Substate Supply/Demand Matches.

The Tri-Agency Task Force which conceptualized the design of this project outlined a five phase program.

PHASE I - CONCEPTUAL STUDY

Phase I was to complete a conceptual design to establish a Supply/Demand Information System for Vocational Education. The concept for the system includes the following characteristics: 1) continuous, 2) systematic, 3) visible, 4) recurring and 5) responsive.

The system designed should collect, analyze and disseminate useful and needed information for use by decision makers at all levels in the state.

The Texas Education Agency, the Texas Employment Commission and the Office of the Governor joined forces and organized a Tri-Agency Advisory Committee and a Tri-Agency Task Force to accomplish this conceptual design.

The task force researched existing Statewide Supply/Demand Information Systems in other states and available data systems in Texas for products to be produced for the user, and determined the most useful geographic regions for compilation and reporting of supply/demand information.

The results of Phase I were written up in a report which was officially approved by the Governor; Commissioner of Education, Texas Education Agency; the Administrator, Texas Employment Commission; and, at a later date, by the Commissioner of Higher Education, Coordinating Board, Texas College and University System.

PHASE II - STATEWIDE SUPPLY/DEMAND MATCH

Phase II of the Supply/Demand Information System will provide statewide totals of demand by occupation by industry as primarily provided by the Texas Employment Commission, augmented with other demand data sources where available. The demand data will be matched to supply data by occupational training programs as provided by the Texas Education Agency and the Coordinating Board, Texas College and University System and supplemented with other supply sources where available.

Capability to utilize the Texas Occupational/Industry state matrices at the substate level for analysis of other output formats is available. The design considers and incorporates many data elements that will be used for reports in future system development (e.g., Substate Supply/Demand Match, Occupational Employment Survey (OES) series integration into the Supply/Demand System, and development of special application programs when these supporting data become available in machine readable form. For the State-Total Report Output, methodologies for projecting demand and supply were developed and made available to the information system. Modular design is emphasized to permit flexibility and modification for future requirements with minimum resources. The statewide system will be implemented on one or more of the hardware configurations at the Texas Education Agency or one of the Educational Service Centers. Although the system reports will be available to all persons, the state totals should provide maximum benefit at the state planning level.

PHASE III - SUBSTATE SUPPLY/DEMAND MATCH

Currently, local education agencies do not have valid demand data by occupation for their catchment area. Phase III of the Supply/Demand Information System will provide the same matching as Phase II between supply sources by training program and demand by occupation, with the added dimension of subregional groupings. Occupational and training program data by subregional groups (i.e., SMSA's and State Planning Regions) are mandatory to enable technical-vocational education planners in the 1,187 school districts to realistically allocate their scarce resources.

The design and start of implementation for Phase III will be accomplished concurrently with the implementation and operation of Phase II. Phase III will use the Phase II Texas Occupational/Industry systems matrices and computer programs. Additional capability will be extended to incorporate substate reports and analysis, consisting of the State Planning Regions/Councils of Government (COG's) and SMSA's, for which the Texas Employment Commission can provide data. Experience gained by the users as the information is used during the Phase II period will identify other types of essential administrative reports.

The Phase II and Phase III detailed reports will provide planning information for the over 1,187 school districts and other local education agencies through either one or more of the available SMSA's, State Planning Regions, COG's or the statewide reports.

PHASE IV - OCCUPATIONAL EMPLOYMENT SURVEY (OES) SERIES INTEGRATION INTO THE SUPPLY/DEMAND SYSTEM

The design for Phase IV will be initiated during the start of Phase III system implementation. The data which will be available from the Department of Labor's Occupational Employment Statistics Survey Program of Texas will be incorporated into the ongoing Phase II and Phase III systems The OES survey was initiated in 1974 for Texas. The designs will be modified to insure that this refined occupational data could be incorporated into the Texas Education Agency's and Coordinating Board's curricula planning and statewide SMSA and local levels. Guidelines will be established to determine the applicability of including other data elements and sources into the information system.

PHASE V - DEVELOPMENT OF SPECIAL APPLICATION PROGRAMS

Phase V will provide special application reports as required by technical-vocational education planners at all levels to optimally allocate resources as outlined in the State Plan for Vocational Education. The total Supply/Demand information system will eventually be available, as users require, in a real-time operational mode, including teleprocessing and multi-user accesses.

Resource allocation programs (specially designed linear programming modules) will provide data for planning by using financial, student-teacher ratios, geographic, facilities and other data. Statistical analysis and historical trends will be made available for both short and long-range planning. Occupational Supply/Demand reports for the lowest possible political subdivision of the state will be completed. It is anticipated that eventually data can be provided down to a specific place (e.g., cities or towns) within the constraints of the security designed into the system.

By developing these capabilities in a modular format, other techniques and analyses can be developed as the need arises. This includes considering the interaction of Texas' supply/demand of vocational skills with other sources external to the state.

Phases IV and V were not funded under this grant. The development of these two phases is dependent upon the continued support of the system.

PROCEDURES

The principal and subordinate objectives of this project were accomplished upon the completion of the research, development,and implementation of four of the six proposed modular subsystems comprising the Texas Supply/Demand Information System for Vocational Education. These are: (1) Supply Subsystem, (2) Demand Subsystem, (3) Tables Directory Subsystem, (4) Match Subsystem. The Distribution and Evaluation Subsystem are still in conceptual stage. These two subsystems were not funded under this grant and their development will depend upon the continuing support of the Texas Education Agency.

SUPPLY SUBSYSTEM

The Supply Subsystem will provide the automated procedures for the summarization, classification, projection, and other necessary data preparation for the Match Subsystem. The educational data (course titles, student enrollment and completion figures) used as input for the Supply Subsystem is provided by the Texas Education Agency. The Supply Subsystem has the built-in capacity to incorporate data from other sources. A substantial share of the total supply is provided by TEA's Consolidated Data Base (VOCIMST). TEA now uses a statewide computerized optical scanning system.

The input from TEA includes data on vocational education at the secondary and post-secondary public school levels, and also data on proprietary schools.

Data from the source agencies will be used as input into the supply system whenever possible. This will restrict duplication of data collection and will assure more compatibility of data between the supply source and the Supply/Demand Information System. Requirements for the management of special programs, such as the Veterans Administration requirements, create data collection systems that will be tapped if in usable form to avoid adding additional data collection forms and procedures.

Data Input. -- The Supply Master File contains a list of the vocational courses taught by Texas public and proprietary schools. These courses are organized by VEI or Modified Hegis Code. Projections of enrollment and completions for the courses are also contained on this file. The Supply Master File is sequenced by school year, by geographic location, by educational program code. This file retains the capacity to acquire information by identifiers other than those currently used, such as census code, source, or any other substate identifier suitable to the needs of the user. The data in this file is available for a match by census code to the demand by occupation.

When supply data is prepared for use in the system, a code conversion and table lookup is required. The code conversion program involves crosswalking from the source agency's internal coding structure to the corresponding U. S. Office of Education (USOE) education program code and the Census occupational classification. When the USOE code is secured, it is matched to a corresponding Vocational Education Instruction (VEI) code for subsequent reporting requirements using VEI, the internal code of TEA.

If incoming supply data lacks sufficient geographic identification, the data must first be compared to a table to acquire the necessary geographic identifiers. The specific items needed for proper classification in the Supply Master File are State Planning Region (SPR) codes and Standard Metropolitan Statistical Area (SMSA) codes. These identifiers can be referenced via county codes included in the input files. Each of these geographic codes (county, SPR, and SMSA) refer to the location in which an individual receives training -- not the county of permanent residence.

After the code conversion and geographic table lookup has been accomplished, the incoming supply data is ready to be included in the Supply Master File. Enrollment and completion counts are accumulated for USOE program codes by geographic area, and the data contained in the master file format is entered in the Supply Data Base.

Follow-up information is maintained at the six-digit USOE code level to assist in the supply enrollment projections. The follow-up data relates to graduates and drop-outs only, and therefore will not approach the total enrollment figure. But a comparison of this data to the enrollment by grade will help identify that portion of training enrollment which will be available to meet occupational demand.

Supply Projection Methodology. -- Projecting the numbers of students training in public and private institutions is of necessity based upon many complex factors. Initially, population projections have the most impact on elementary school enrollments. The economic condition in the state as a whole and of its various sections also impact the elementary, secondary, and post-secondary educational enrollments. Several departments of the Texas Education Agency are responsible for particular projections, and that information was used, if available, in the Supply/Demand Information System development.

Projections were necessary for the following USOE clusters:

USOE NO.	TITLE
01.0000	Agricultural Occupations
04.0000	Distribution Occupations
07.0000	Health Occupations
09.0000	Home Economics (Gainful)
14.0000	Office Occupations
16.0000	Technical Occupations
17.0000	Trades and Industrial Occupations

These projections are done annually for inclusion in the State Plan for Vocational Education. The vocational education directors within the Department of Occupational Education and Technology prepare the projections for summary groupings of USOE instructional codes.

Timing has been a problem in the preparation of this final report, as the above projections may be modified for the final copy of the State Plan for Fiscal Year 1977. These projections, done in summary form, were used in addition to factors of industrial growth and educational enrollment and completion trends to derive the calculation procedures used by the System.

The approach for deriving one-year hence projections is different from the approach for five-years-hence projections. Constraints, such as resource allocation, construction, and availability of teacher personnel, have a substantial impact on the one-year-hence projections. For five-years-hence projections, there is an influence from the growth changes in the industrial occupational employment demand. Industrial growth rates used were provided by the Texas Employment Commission and published statewide. The Supply/Demand Information System provides for changes in projection rates by USOE cluster as more recent information becomes available. Also provided in the system is a correction technique based on trend-line calculations as this information is collected and made available by the source agencies.

The area of supply projections involves many agencies, both state and local, with wide variations in philosophies as to the trends of the future, and consequently is an area in need of more research and development.

DEMAND SUBSYSTEM

The objective of the Demand Subsystem is to produce projected occupational demand estimates to be used in a matching process with projected estimates of individuals to be in training for these positions. Supply estimates will be made available to the Match Subsystem from the Supply Subsystem.

The Demand Subsystem consists of procedures and computer programs to create and maintain a Texas matrix of data on occupations by industry and geographic location. Guidelines for design procedures were provided by the Bureau of Labor Statistics and made available to the Texas Employment Commission. However, extensive computer program errors were detected, and some of the programs did not perform as described. The systems and procedures were then tailored to provide the input into the Demand Subsystem. Additional occupational demand data sources will be included when available. Data from these sources is often very specific in nature, and has a tendency to be biased. Some agencies and associations tend to overstate the demand for future employment within their particular interest group. Therefore, this demand data must be studied and analyzed carefully to avoid improper inclusion into the Demand Subsystem.

The underlying philosophy in the design of the Demand Subsystem is to have a viable system, harmonious with currently existing state agency functions and agency computer systems. The system was also designed for maximum utilization of federal computer system's software and research from the Manpower Administration and the Bureau of Labor Statistics (BLS). The system also possesses the capability of interfacing with both state and federal agencies' new and proposed data collection and computer systems.

Statewide Employment Demand Projections. -- The Demand Subsystem provides over 400 different occupational employment projections for more than 200 different industries. These employment projections will receive additional processing, expanding each employment projection with the addition of educational, occupational, and geographical codes. The 'enhanced' projection employment record will then be used for matching with educational program supply estimates. The Demand Subsystem utilizes the Dictionary of Occupational Titles (DOT), Bureau of Labor Statistics, Census, and Occupational Employment Statistics coding structures. (See the sections on Table's Directory and Match Subsystems for detail.)

During the initial phases of this Demand Subsystem, two basic and different approaches were used in obtaining the occupational projections. These two approaches are called the Bureau of Labor Statistics (BLS) Approach and the Texas Economic Input/Output Model Approach. Although each method produces occupational employment projections by industry, there is a significant difference in the basic methodologies used in deriving the initial statewide industry projections. Following is a description of these methodologies.

BLS Approach. -- The statewide industry employment projections for each of the 200 industries must first be derived. The BLS Approach integrates, through statistical regression analyses, national employment projections for each industry with historical Texas employment statistics by industry. The inherent assumption underlying this procedure is that there is a responsive relationship between the industry employment within Texas and what is occurring within similar industries at the national level.

Once the employment projections for each industry are derived and reviewed by TEC for reasonableness, each industry's employment total must be allocated to specific occupations which exist within that industry. This is accomplished by using a 'Modified Occupational Profile Matrix' which describes the percentages of employees that are employed within each of the 400 potential occupations within each of the 200 industries. Such matrices have been developed for Texas by the Bureau of Labor Statistics using 1970 occupational census data. In fact, specific matrices for the 15 State Planning Regions, eight Standard Metropolitan Statistical Areas and the State of Texas have been developed and received for use in the Supply/Demand Model.

By using the appropriate 'Modified Occupational Profile Matrix' as related to respective industry employment projections, projected employment estimates for each occupation are derived. These preliminary occupational projections are then reviewed by TEC and adjusted as required from information obtained from the field offices.

National Economic Impact. -- Inherent in the BLS Approach is national economic input/output analysis, population composition, industry technological changes, international climate, and other exogenous variables at the national level. These influential factors are considered and used by various federal agencies in providing inputs to the Bureau of Labor Statistics for their derivation of industry employment projections at the national level.

Input/Output Model Approach. -- This approach uses economic data more characteristic of Texas and its projected economic requirements, and is called the Texas I/O Approach. This technique primarily utilizes the current Texas Economic Input/Output Model for deriving industry employment projections. The Input/Output Model was maintained by the Division of Planning Coordination within the Governor's Office. However, the principal personnel involved in maintaining the Texas I/O Model have moved to the Texas Water Development Board, and are in the process of setting up the system to serve the specific needs of the Water Development Board. There is no assurance made to provide the Supply/Demand Information System with necessary data according to any specific schedule or in the required format.

Although industries identified in the I/O Model and the BLS Approach may have the same industry title, the actual standard industrial classification composition makeup of that industry is different in many instances. It is important that industry employment projections from either method chosen be made on a comparable industry basis. To accomplish this 'comparability,' a Standard Industrial Classification (SIC) code bridge table has been completed. This SIC bridge table will allow industry employment projections derived from the Texas Economic Input/Output Model to be converted into 'compatible' industries as defined in the BLS Approach. This conversion is essential in allowing the Supply/Demand Model to use the 'Modified Occupational Profile Matrices' described earlier for producing the 400 occupational employment projections from each of the 200 industry employment projections. Continuous in the system is the need to develop better employment projections for individual industries or industry groupings.

The State of Texas report showing demand by occupation for 1977 and for 1981 has been published, and is available upon request. The substate area reports of Austin Standard Metropolitan Statistical Area (SMSA), Beaumont-Port Arthur-Orange SMSA, Corpus Christi SMSA, Dallas-Fort Worth SMSA, El Paso SMSA, Houston SMSA, and

San Antonio SMSA have been completed and are available in a separate publication for each SMSA and also in a volume containing all seven of those currently completed.

TABLES DIRECTORY SUBSYSTEM

The Tables Directory Subsystem includes three directories. The system creates and processes reference tables which link essential coding structures necessary for the output of a report matching supply and demand information. The tables extend beyond the secondary and post-secondary vocational education curricula to include areas of the Higher Education General Information Survey (HEGIS) coding structure. However, for the first statewide totals report, emphasis will be placed on the coding structures of portions of coding structures concerned with vocational education.

Occupational/Educational Code Cross-Reference Table. -- This table contains cross-references between the following coding structures:

1. Dictionary of Occupational Title Codes (DOT)
2. 1970 Census Occupational Codes
3. Bureau of Labor Statistics Occupational Codes
4. U. S. Office of Education Codes (USOE Handbook Six)
5. Higher Education General Information Survey Codes (HEGIS)
6. Vocational Education Indstructional Codes (VEI)
7. Modified HEGIS Codes for Adult Education and Post-Secondary Education
8. Occupational Employment Statistics Survey Codes (OES)

The Vocational Education Instruction Codes, the modified HEGIS codes for Adult Education and Post-Secondary Education are used uniquely in Texas. This directory could not be put together until the Department of Labor released a copy of the Directory of Occupational Titles - U. S. Office of Education Codes - 1970 Census Occupational Codes Conversion Table in June 1975.

The modified HEGIS codes are an attempt between the Texas Education Agency and the Coordinating Board, Texas College and University System to bridge the gap between the 5000 level of the Taxonomy of

Instructional Programs in Higher Education (HEGIS) and the Handbook VI, Standard Terminology for Curriculum and Instruction in Local and State School Systems (USOE codes).

Geographic Codes Cross-Reference Table. -- This table is keyed on counties, and will be used in developing subregional area data reports, provided the requested areas are coterminous to county boundaries. This table can be found in the appendix.

Industrial Code Cross-Reference Table. -- The Industry Code directory table contains the following cross-reference codes and titles:

1. 1970 Census Industry Codes
2. Bureau of Labor Statistics Industry Codes
3. Standard Industrial Classification Codes
4. A Common Set of Industry Titles

MATCH SUBSYSTEM

The processing of the master files from the Supply Subsystem and the Demand Subsystem is called the Match Subsystem. This operation will receive input on the supply by training program with all the necessary data elements and the occupational demand with the matching data elements. The educational code cross-reference tables developed by the Tables Directory Subsystem are used to provide the cluster of training programs matched to occupational groups.

The Statewide and Substate Match Reports will be generated by this Match Subsystem. The report format is described below.

Column One - Vocational Education Instruction (VEI) Code used by Texas secondary schools, or the Higher Education General Information Survey (HEGIS) Code used by post-secondary schools. Proprietary school data is incorporated in this report, and is coded with the USOE code succeeded by the letter "P".

Column Two - combined VEI-HEGIS title appropriate for the training program. The combined title includes the USOE title for proprietary schools. The unique titles used by proprietary schools were analyzed and translated into the nearest matching USOE title. Some USOE codes were used with slightly different titles in order to accommodate certain unique proprietary program titles.

Column Three - enrollment projections for secondary, post-secondary, and proprietary schools.

Column Four - completion projections for secondary, post-secondary, and proprietary schools.

Column Five - 1970 Census Occupational Code.

Column Six - 1970 Census Occupational Title.

Column Seven - occupational demand per TEC reports representing expansion needs plus death and retirement placement needs. Where broad categories of occupational demand link to more than one educational program cluster, the demand figure is divided by the number of educational clusters in which it occurs. For example, Census code 085 - Other Health Technologists and Technicians has a demand of 88, and occurs in four educational program clusters. The demand number of 88 is divided by four, which shows a demand of 22 for each cluster.

The reports generated by the Supply/Demand Match Subsystem as described here are intended to be used as a tool by state agency management and other users, such as vocational program planners, administrators, and students at the regional and state levels. In order to avoid misuse, the Supply and Demand columns are not totaled, and the difference is not shown. The reason for this comes from the experiences of other states and also, various research reports indicate that showing supply totals and demand totals and the difference between the two, misleads users into thinking that these numbers are absolute or of extreme precision -- which they are not. These numbers simply indicate to the user a rough calculation of the supply by training program and the demand by related group. These numbers are, however, based upon the management information systems and statistical information systems of both the Texas Education Agency and the Texas Employment Commission, as well as federal data received from the Bureau of Labor Statistics, the U. S. Office of Education, and the Bureau of the Census, Department of Commerce. The user, therefore, can rely on this data for interpretation, direction, and magnitude as related to supply by training program compared to demand by occupation. This approach is, therefore, more informative than an arrow simply indicating increase, decrease, or no change. The net difference between supply and demand can be arrived at through observation and provides an approximation of the over- and under-supply of those in training for any given occupational group.

If, in the future, users indicate (by way of the proposed feedback subsystem) that supply totals and demand totals, and the difference between them, would be useful calculations, simple computer program modifications can be made to provide this information.

Factors reducing the completion numbers by training program are available for some secondary and post-secondary programs. These numbers, such as the number of students going on to higher or other education, have been provided from time to time by follow-up systems. However, no such follow-up history is available for proprietary programs and certain adult and post-secondary training programs. Therefore, for this consolidated report, the completions factors were not used. The Supply/Demand Information System will incorporate these factors applied to completions to determine the number of students available for work in special future reports where appropriate. Refinements to the supply and demand data will be a continuing maintenance effort in the Texas Supply/Demand Information System.

DISTRIBUTION SUBSYSTEM

The Distribution Subsystem will provide an automated method by which to maintain a master mailing list file and to print mailing labels from all or any part of the master mailing list. Each logical record in the data set will be coded so as to identify that entry within a classification system of industry code, functional area of operation, and job class. These codes may be used as selection parameters to select various logical records from the data set. A limited mailing list may thus be prepared to distribute a publication.

EVALUATION SUBSYSTEM

The evaluation subsystem will provide an automated procedure to categorize the replies and suggested enhancements of the Statewide Supply/Demand Totals Report. Evaluation sheets will be sent with each Supply/Demand Report. The returned evaluation sheets will be keypunched and the results tallied in reports.

To maintain a viable Supply/Demand Information System for Vocational Education, modification to the system and enhancements to the output reports are inevitable. The Supply/Demand model will be modified where appropriate to incorporate the suggestions as transmitted by the data users via the evaluation sheets, thus providing a "feed back" loop from the users into the model.

The Distribution Subsystem and the Evaluation Subsystem are not developed at the time this final report was written, and were not part of the U. S. O. E. grant. The implementation of these Subsystems will depend on the Texas Education Agency management decision to continue the Supply/Demand Information System on the level originally conceptualized.

CONCLUSIONS, IMPLICATIONS, AND RECOMMENDATIONS FOR THE FUTURE

Economic conditions in Texas require more data be made available by which educational planners can allocate their scarce funds. Following are the conclusions, implications, and recommendations for the future which the researchers on this project wish to offer.

The area of manpower data and manpower planning must continue to be a high priority item for research within the U. S. Office of Education of the Department of Health, Education and Welfare. The Supply/Demand Information System must continuously be improved to meet the changing demands of educational administrators, students, parents, and teachers.

Occupational supply and its definition needs much more research. Bulletin 1816 on Occupational Supply: Concepts and Sources of Data For Manpower Analysis published by the Bureau of Labor Statistics, Department of Labor was a major step in the right direction. However, more work is needed in the area of data collection methodologies and how to statistically derive the supply data that cannot be collected. This lack of data over and beyond secondary and post-secondary education is a major barrier to obtaining a complete accumulation of available supply.

Occupational and educational coding structures or systems are fragmented and disjointed. Until recently there has been no effort made by any department within the federal government to promulgate standardized coding structures either for education or labor. The Department of Labor utilizes four occupational coding structures (the Dictionary of Occupational Titles, the Occupational Employment Statistics Codes, the 1970 Census Occupational Codes, and the Bureau of Labor Statistics Matrix Occupational Codes) and is working with the Office of Management and Budget to develop the Standard Occupational Classification System.

The Office of Education within the Department of Health, Education and Welfare has its Handbook VI of standardized curriculum with course definitions. The HEGIS (Higher Education General Information Survey) codes are contained in a separate volume, and have no standardized definitions while having overlapping codes. To complicate matters in the educational coding structure area, the education agencies in Texas have developed two additional coding structures to alleviate problems they have encountered with Handbook VI and the HEGIS systems. The ideal situation for manpower and educational planners would be one uniform standardized occupational coding system linked to one uniform standardized educational coding system for mandatory use by all.

Another area that needs much research in Texas and probably in all other states is the identifying of educational costs with training programs, and wages and salaries to occupations in order to accomplish cost-benefit analyses on the various training programs and the corresponding occupations. Cost-benefit analyses and optimization techniques could prove invaluable to planners allocating resources. These analyses need to be done both at the state and substate levels due to geographic and occupational migration.

Areas needing improvement have been identified in a recent report, Manpower Data and Vocational Education, D. W. Drewes and S. Katz, 1975. Regarding their findings that the state plan for education is not regarded as a viable management document in many states, the Supply/Demand Match Report provides occupational data that can be used by educational administrators in their planning functions and in their decisions regarding various occupational programs. The Texas Supply/Demand Information System should help make the local vocational education planners more aware of the existing published manpower data available from state employment security agencies, Bureau of Labor Statistics, and other governmental agencies.

Problems occur when examining occupations which are described in minute detail to match or compare to educational programs that are very generalized and comprehensive, (or appear to be) by their titles, i.e., a program called Construction and Maintenance Trades appears to be very comprehensive and might include curriculum involving concrete and masonry work, plumbing, electricity, carpentry, painting, and finishing work. The program, therefore, should be matched to all these occupations. One conclusion might be that no curriculum can be this extensive, and that more definitive educational program titles should be developed.

Complete and detailed curriculum files (course material, course objective, training aids, textbooks, etc.) should be maintained and linked to the program code and title used in any supply/demand report. When the occupational education program is intended, by definition, to prepare the students for readiness for a specific occupation or a related group of occupations, detailed descriptive data must be available for both the training course and the occupational title.

Only when educational programs are not intended to prepare the students for immediate employment in a specific occupation, can comprehensive and generalized curricula be used. The number of students completing a generalized course would not then appropriately be matched to specific occupations requiring specific skills.

This Supply/Demand Report shows information on generalized curricula matched to specific occupations, and also generalized occupational groupings matched to specific training programs. This situation is not ideal, but must be tolerated because there is no other information or data available to do occupational supply/demand comparisons.

To present an improved picture of the job market, senior college degree statistics need to be incorporated into this report. These statistics were not available in a readily usable form, and could not be accurately included in the Texas Supply/Demand Match Report. Only when this higher education supply is linked to occupations both directly and indirectly related to the higher education curricula, will be information necessary to understand the "bumping phenomenon" or "displacement phenomenon" be available.

K E Y

FOR USING SUPPLY/DEMAND REPORTS

Education Codes

6 Digit Code--------------------------------Secondary and/or Adult Data (USOE or VEI)*

6 Digit Code with "P"----------------------Proprietary School Data

4 Digit Code-------------------------------Post-Secondary School Data (Modified HEGIS)*

Note: Duplicate titles having different code numbers are unique to the Texas post-secondary numbering system. The first code indicates regular post-secondary students. The second code indicates adult students in post-secondary schools. For example, on page two, under USOE Code Cluster 010200, AGRI-BUSINESS TECHNOLOGY is listed twice: code 5021 is the regular post-secondary student data, and code 5121 is the data on adults registered in post-secondary schools.

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USOE - U. S. Office of Education

VEI - Vocational Education Instruction

HEGIS - Higher Education General Information Survey

NOTICE TO THE USER

DATA LIMITATIONS

The following points should be kept in mind when applying this data to the various user situations:

1). The report shows Texas data, which could be enhanced with local or national data. Simply add or delete supply or demand information obtained from local information sources.

2). The linkages may not seem obvious at first glance, but they are based on a USOE-Census-DOT link furnished by Washington, D. C. An example of this occurs in USOE Cluster 010101, entitled Animal Science. Athletes and Kindred Workers (Census Code 180) are included in this cluster. This link does not seem logical until the occupations included in Census Code 180 are examined. One finds that occupations such as horsemen, jockeys, horse trainers, marine divers, and riding teachers are included under Athletes and Kindred Workers.

3). Demand numbers are based on economic assumptions that may or may not exist in a given geographic area.

4). Completions are not adjusted for those who do not enter the labor force in a given geographic area or for those who take employment in another area, such as persons going on to higher education, entering military service, becoming homemakers, or taking jobs in other areas of the state, or perhaps some other state or a foreign country.

5). Completions are not adjusted for those who are currently employed, but are enrolled in enrichment courses or adult continuing education, i. e., policement enrolled in law enforcement courses, draftsmen enrolled in advanced drafting courses, and other similar situations.

DATA LIMITATIONS CONTINUED...

6). The demand by occupation for any given cluster can be enlarged or reduced using demand numbers of the adjacent and/or related clusters. The user will find this technique helpful where there are large disparities between the figures listed for completions and the demand for persons needed. As mentioned previously, the linkage was built around the U. S. Office of Education Cluster Code that was linked to the 1970 Census Code and the Dictionary of Occupational Titles (DOT). The user should depart from this linkage when there is contradictory local information available.

7). The alphabetical Index to Occupations includes the complete census occupational listing, even though the job titles may not pertain to vocational education occupations in order that the user may have a better comprehension of what is or is not contained in this report.

8). The various apprentice categories have been included in the occupational titles for which they are training.

9). Flight instruction has been lumped into one educational code because the USOE coding structure does not at this time break it down further, such as differentiating between single engine, multi-engine, or instrumentation training.

10). Please note the "continued" and "continuation" notations at the top and bottom of those pages where a code cluster is continued. The alphabetical Index to Occupations will reference the page number where the USOE Code Cluster begins. The occupational listing, however, may appear on the next page.

STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

U.S.O.E. CODE CLUSTER: 010100 AGRICULTURAL PRODUCTION

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010100	AGRICULTURAL PRODUCTION	224	159	203	BUYERS,SHIPPERS,FARM PROD	20
010110	VOCATIONAL AGRICULTURE I	27,044	1,789	801	FARMERS (OWNERS AND TENANTS)	6
010111	RANCH EMPLOYEE	863	503	802	FARM MANAGERS	32
010120	VOCATIONAL AGRICULTURE II	13,760	1,175	821	FARM FOREMEN	6
010130	VOCATIONAL AGRICULTURE III	7,344	1,126	822	FARM LABORERS WAGE WRKRS	- 118
010140	VOCATIONAL AGRICULTURE IV	2,348	618			
011101	FEEDLOT EMPLOYMENT I-II	173	104			

U.S.O.E. CODE CLUSTER: 010101 ANIMAL SCIENCE

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010121	DAIRY FARM WORKER	222	118	180	ATHLETES AND KINDRED WORKERS	185
010131	POULTRY HATCHERY EMPLOYEE	23	7	780	OTHER LABORERS	48
010141	SWINE FARM EMPLOYEE	55	23	801	FARMERS (OWNERS AND TENANTS)	6
010151	HORSE FARM EMPLOYEE	126	62	802	FARM MANAGERS	32
010161	LIVESTOCK AUCTION EMPLOYEE	55	33	821	FARM FOREMEN	6
010171	FEEDLOT EMPLOYEE	84	45	822	FARM LABORERS WAGE WRKRS	- 118
010181	POULTRY FARM WORKER (PROD)	10	5	824	FARM LABORERS, SELF-EMPL	2
010191	POULTRY FARM WORKER (COMM)	20	11			
013299	ANIMAL CARETAKER EMPLOYEE	30	10			

U.S.O.E. CODE CLUSTER: 010102 PLANT SCIENCE

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010112	CROP FARM EMPLOYEE	613	337	245	OTHER MGRS,ADMINISTRATORS	636
010122	PLANT SCIENTIST ASSISTANT	16	12	801	FARMERS (OWNERS AND TENANTS)	6
				802	FARM MANAGERS	32
				821	FARM FOREMEN	6
				822	FARM LABORERS WAGE WRKRS	- 118

STATEWIDE

LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

U.S.O.E. CODE CLUSTER: 010104 FARM BUSINESS MANAGEMENT

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010242	AGRICULTURAL FINANCE	4	3	801	FARMERS (OWNERS AND TENANTS)	6
5025	FARM AND RANCH MANAGEMENT	562	348	802	FARM MANAGERS	32

U.S.O.E. CODE CLUSTER: 010200 AGRICULTURAL SUPPLIES / SERVICES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
011299	HORSESHOER	3	3	024	FARM MANAGEMENT ADVISORS	2
012299	VETERINARIAN ASSISTANT	178	94	025	FORESTERS,CONSERVATIONISTS	10
5021	AGRI-BUSINESS TECHNOLOGY	45	27	150	AGRI,BIOLOG TECH EXC HEALTH	8
5023	ANIMAL MEDICAL TECHNOLOGY	122	89	245	OTHER MGRS,ADMINISTRATORS	636
5121	AGRI-BUSINESS TECHNOLOGY	47	0	403	BLACKSMITHS	10
010200P	HORSESHOEING	173	168	441	FOREMEN, NEC	173
				740	ANIMAL CARETAKERS, EXC FARM	21
				802	FARM MANAGERS	32
				821	FARM FOREMEN	6
				822	FARM LABORERS WAGE WRKRS	- 118
				824	FARM LABORERS, SELF-EMPL	2

U.S.O.E. CODE CLUSTER: 010201 AGRICULTURAL CHEMICALS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010201	AG CHEMICALS & FERTILIZERS	14	5	025	FORESTERS,CONSERVATIONISTS	10
010211	AG CHEMICAL SALES & SERVICE	36	25	441	FOREMEN, NEC	173
010214	FERTILIZER SALES AND SERVICE	38	24	821	FARM FOREMEN	6
5022	AGRICULTURAL CHEMICAL TECHNOLO	8	6	822	FARM LABORERS WAGE WRKRS	- 118

U.S.O.E. CODE CLUSTER: 010202 FEEDS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010212	FEED SALES AND SERVICEMAN	312	171	282	SALES REPRES, WHOLESALE TRADE	156
010222	FEED WAREHOUSE EMPLOYEE	28	14	441	FOREMEN, NEC	173

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STATEWIDE

LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

continuation...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010232	GRAIN ELEVATOR EMPLOYEE	24	19	501	MILLERS, GRAIN, FLOUR, FEED	7
				641	MIXING OPERATIVES	65
				690	MACHINE OPER,MISC SPECIF	132
				753	FREIGHT, MATERIAL HANDLERS	325
				824	FARM LABORERS, SELF-EMPL	2

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U.S.O.E. CODE CLUSTER: 010203 SEEDS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010213	SEED SALES AND SERVICEMAN	51	25	150	AGRI,BIOLOG TECH EXC HEALTH	8
5029	SEED PROCESSING	9	2			

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U.S.O.E. CODE CLUSTER: 010299 OTHER AGRICULTURAL SUPPLIES / SERVICES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010299	AG SUPPLIES/SERVICE	172	104	024	FARM MANAGEMENT ADVISORS	2
				085	OTHER HEALTH TECHNOL, TECH	22
				150	AGRI,BIOLOG TECH EXC HEALTH	8
				215	INSPECTOR,EXC CONSTRUCT PUB	54
				282	SALES REPRES, WHOLESALE TRADE	156
				403	BLACKSMITHS	10
				694	OPERATIVES, NEC	129
				740	ANIMAL CARETAKERS, EXC FARM	21
				822	FARM LABORERS WAGE WRKRS	118
				824	FARM LABORERS, SELF-EMPL	2

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U.S.O.E. CODE CLUSTER: 010300 AGRICULTURAL MECHANICS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010321	AG MACHINERY SETUP	50	33	480	FARM IMPLEMENT	21
				705	DELIVERY AND ROUTEMN	476

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U.S.O.E. CODE CLUSTER: 010301 AGRICULTURAL POWER & MACHINERY

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continuation...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010310	GENERAL AG MECHANIC	775	424	452	INSPECTORS, OTHER	27
010341	FARM EQUIPMENT OPERATOR	46	33	480	FARM IMPLEMENT	21
010351	AG MECHANIC'S HELPER	199	126	481	HEAVY EQUIP MECH, INCL DIESEL	311
010361	AG MACHINERY PARTSMAN	66	48	492	OTHER MECHANICS AND REPAIRMN	31
010371	AG MACHINERY SERVICE SUPER	4	2	642	OILERS, GREASRS, EXC AUTO	23
010381	CVAE FARM & RANCH MECHANIC	1,148	20	694	OPERATIVES, NEC	129
010391	VEH FARM & RANCH MAINTAINENCE	100	7	801	FARMERS (OWNERS AND TENANTS)	6
5024	FARM MACHINERY MECHANIC	33	31	802	FARM MANAGERS	32
				821	FARM FOREMEN	6
				822	FARM LABORERS WAGE WRKRS	- 118

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U.S.O.E. CODE CLUSTER: 010302 AGRICULTURAL STRUCTURES & CONVENIENCES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010312	AG STRUCTURAL EMPLOYEE	49	29	150	AGRI, BIOLOG TECH EXC HEALTH	8
				801	FARMERS (OWNERS AND TENANTS)	6
				802	FARM MANAGERS	32
				821	FARM FOREMEN	6
				822	FARM LABORERS WAGE WRKRS	- 118

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U.S.O.E. CODE CLUSTER: 010304 WATER MANAGEMENT

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010331	IRRIGATION EQUIP(SALE/SERVICE)	13	9	282	SALES REPRES, WHOLESALE TRADE	156
				480	FARM IMPLEMENT	21
				481	HEAVY EQUIP MECH, INCL DIESEL	311
				821	FARM FOREMEN	6
				822	FARM LABORERS WAGE WRKRS	- 118

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U.S.O.E. CODE CLUSTER: 010305 AGRICULTURAL MECHANICS SKILL

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010315	AG WELDING & SERVICE	92	51	150	AGRI, BIOLOG TECH EXC HEALTH	8

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      05/26/76           T E X A S   S U P P L Y   D E M A N D   P R O J E C T                            PAGE   5

STATEWIDE                              LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE          COURSE TITLE          ENROLLMENTS  COMPLETIONS          CENSUS       OCCUPATIONAL TITLE           NEEDED
  continuation...
  010325     AG HAND & POWER TOOLS              5            2                 155    MECHANICAL ENGINEERING TECH

                                                                               801    FARMERS (OWNERS AND TENANTS)          6

                                                                               802    FARM MANAGERS                        32

                                                                               821    FARM FOREMEN                          6

                                                                               822    FARM LABORERS WAGE WRKRS         -  118

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U.S.O.E. CODE CLUSTER: 010306          AGRICULTURAL CONSTRUCTION AND MAINTENANCE

  010316     AG CONST & MAINT EMPLOYEE         95           49                 801    FARMERS (OWNERS AND TENANTS)          6

                                                                               802    FARM MANAGERS                        32

                                                                               821    FARM FOREMEN                          6

                                                                               822    FARM LABORERS WAGE WRKRS         -  118

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U.S.O.E. CODE CLUSTER: 010307          AGRICULTURAL ELECTRIFICATION

  010317     FARM & RANCH ELECTRICAL EMP       20           13                 150    AGRI,BIOLOG TECH EXC HEALTH           8

                                                                               153    ELECTRICAL, ELECTRONIC TECH          55

                                                                               801    FARMERS (OWNERS AND TENANTS)          6

                                                                               802    FARM MANAGERS                        32

                                                                               821    FARM FOREMEN                          6

                                                                               822    FARM LABORERS WAGE WRKRS         -  118

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U.S.O.E. CODE CLUSTER: 010400          AGRICULTURAL PRODUCTS

  5130       GINNING                           18           18                 245    OTHER MGRS,ADMINISTRATORS           636

                                                                               690    MACHINE OPER,MISC SPECIF            132

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U.S.O.E. CODE CLUSTER: 010401          FOOD PRODUCTS

  010401     MEAT PROCESSING                  154           64                 203    BUYERS,SHIPPERS,FARM PROD            20

  010411     MEAT PROCESSING PLANT EMPLOYEE   207          113                 215    INSPECTOR,EXC CONSTRUCT PUB          54

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continuation...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010421	FRUIT & VEG PACKING PLANT EMP	18	12	225	PURCHASING AGENTS, BUYERS,NEC	190
010431	POULTRY PRODUCTS EMPLOYEE	22	9	245	OTHER MGRS,ADMINISTRATORS	636
010441	DAIRY PRODUCTS EMPLOYEE	43	20	441	FOREMEN, NEC	173
010471	SEAFOOD PROCESSING EMPLOYEE	16	11	[illegible]	MILLERS, GRAIN, FLOUR, FEED	7
010481	AG PRODUCE EMPLOYEE	75	49	610	CHECKRS,EXAMINRS,ETC,MFG	64
010491	FOOD PROCESSING EMPLOYEE	32	17	624	GRADERS AND SORTERS, MFG	30
5028	MEAT PROCESSING	63	33	625	PROD GRDR,PACKR,EX FACT, FARM	151
				633	MEAT CUTTRS,BUTCHRS	122
				634	MEAT WRAPPERS, RETAIL TRADE	212
				690	MACHINE OPER,MISC SPECIF	132
				694	OPERATIVES, NEC	129
				740	ANIMAL CARETAKERS, EXC FARM	21
				821	FARM FOREMEN	6
				822	FARM LABORERS WAGE WRKRS	- 118

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U.S.O.E. CODE CLUSTER: 010402 NON FOOD PRODUCTS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010402	NONFOOD PRODUCTS EMPLOYEE	22	8	203	BUYERS,SHIPPERS,FARM PROD	20
010451	WOOL & MOHAIR WAREHOUSE EMP	1	0	282	SALES REPRES, WHOLESALE TRADE	156
010461	COTTON GIN EMPLOYEE	21	6	452	INSPECTORS, OTHER	27
				624	GRADERS AND SORTERS, MFG	30
				822	FARM LABORERS WAGE WRKRS	- 118

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U.S.O.E. CODE CLUSTER: 010500 ORNAMENTAL HORTICULTURE

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
010500	ORNAMENTAL HORTICULTURE	630	260	245	OTHER MGRS,ADMINISTRATORS	636
010513	GREENHOUSE WORKER	66	39	755	GARDNERS,GROUNDKEEPR,EXC FARM	530
010515	NURSERY WORKER	98	53			
010520	CVAE HORTICULTURAL RELATED OCC	443	23			

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STATEWIDE                                 LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE        COURSE TITLE           ENROLLMENTS  COMPLETIONS          CENSUS      OCCUPATIONAL TITLE            NEEDED
  continuation...
  010530    VEH HORTICULTURE RELATED           154          8

  5026      HORTICULTURE                       298        142

  5126      HORTICULTURE                       251        196

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U.S.O.E. CODE CLUSTER: 010504        LANDSCAPING

  010514    PARKS EMPLOYEE                      24         14              755   GARDNERS,GROUNDKEEPR,EXC FARM        530

  010524    PARK AND LANDSCAPE EMPLOYEE         46         17

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U.S.O.E. CODE CLUSTER: 010505        NURSERY OPERATION AND MANAGEMENT

  010510    GARDEN CENTER EMPLOYEE             118         49              755   GARDNERS,GROUNDKEEPR,EXC FARM        530

                                                                           780   OTHER LABORERS                        48

                                                                           801   FARMERS (OWNERS AND TENANTS)           6

                                                                           822   FARM LABORERS WAGE WRKRS          -  118

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U.S.O.E. CODE CLUSTER: 010506        TURF MANAGEMENT

  010516    ASSISTANT GREENSKEEPER              43         25              245   OTHER MGRS,ADMINISTRATORS            636

  010534    ASSISTANT GROUNDSKEEPER            157         80              755   GARDNERS,GROUNDKEEPR,EXC FARM        530

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U.S.O.E. CODE CLUSTER: 010600        AGRICULTURAL RESOURCES

  010600    AG RESOURCES DEVELOPMENT           116         88              163   AIRPLANE PILOTS                      122

                                                                           222   OFF'LS,ADMINISTRATORS, PUB           121

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U.S.O.E. CODE CLUSTER: 010602        RECREATION

  010612    RECREATION FARM EMPLOYEE             1          0              025   FORESTERS,CONSERVATIONISTS            10

                                                                           932   ATTEN,RECREATION, AMUSEMENT           80

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U.S.O.E. CODE CLUSTER: 010603        SOIL
  continuation...
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STATEWIDE                                    LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE          COURSE TITLE             ENROLLMENTS  COMPLETIONS         CENSUS       OCCUPATIONAL TITLE             NEEDED
  continuation...
  010613    SOIL CONSERVATIONIST ASSIST             4            2              042   AGRICULTURAL SCIENTISTS                  13

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U.S.O.E. CODE CLUSTER: 010604          WILDLIFE

  010614    WILDLIFE CONSERVATION EMPLOYEE          4            0              740   ANIMAL CARETAKERS, EXC FARM              21

  010624    GAME AND HUNTING FARM EMPLOYEE          1            1              752   FISHERMEN AND OYSTERMEN             -    40

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U.S.O.E. CODE CLUSTER: 010607          FISH

  010617    FISH HATCHERYMAN EMPLOYEE               2            0              025   FORESTERS,CONSERVATIONISTS               10

                                                                                752   FISHERMEN AND OYSTERMEN             -    40

                                                                                780   OTHER LABORERS                           48

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U.S.O.E. CODE CLUSTER: 010700          FORESTRY

  010700    FOREST PRODUCTS HARVESTING            125           51              025   FORESTERS,CONSERVATIONISTS               10

  010710    FORESTRY WORKER                        24           15              662   SAWYERS                                 125

  010714    WOOD PRODUCTS EMPLOYEE                 54           28              761   LUMBERMEN,RAFTSMN,WOODCHOPPR            197

  010724    SAWMILL EMPLOYEE                       32           12

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U.S.O.E. CODE CLUSTER: 019900          OTHER AGRICULTURE

  019900    OTHER                                 138           71              740   ANIMAL CARETAKERS, EXC FARM              21

  5199      AGRICULTURE, OTHER                    403          153              822   FARM LABORERS WAGE WRKRS            -   118

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U.S.O.E. CODE CLUSTER: 040000          DISTRIBUTIVE EDUCATION

  040000P   DISTRIBUTIVE EDUCATION                199           39              260   ADVERTISING AGENTS,SALESMEN              62

                                                                                262   DEMONSTRATORS                            39

                                                                                264   HUCKSTERS AND PEDDLERS                  338

                                                                                314   COUNTER CLERKS, EXCEPT FOOD             409

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STATEWIDE

LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
U.S.O.E. CODE CLUSTER: 040100	ADVERTISING SERVICES					
040100	ADVERTISING SERVICES	239	129	091	ECONOMISTS	101
5526	MARKETING	1,357	29	184	EDITORS AND REPORTERS	150
				190	PAINTERS AND SCULPTORS	58
				192	PUBLIC RELATIONS MAN, WRITER	341
				225	PURCHASING AGENTS, BUYERS,NEC	190
				245	OTHER MGRS,ADMINISTRATORS	636
				260	ADVERTISING AGENTS,SALESMEN	82
				262	DEMONSTRATORS	39
				282	SALES REPRES, WHOLESALE TRADE	156
				285	SALESMEN, SERV AND CONSTR	95
				314	COUNTER CLERKS, EXCEPT FOOD	409
				333	MESSENGRS AND OFFICE BOYS	14
				425	DECORATRS, WINDOW DRESSRS	102
				441	FOREMEN, NEC	173
				602	ASSEMBLERS	168
U.S.O.E. CODE CLUSTER: 040200	APPAREL & ACCESSORIES					
040200	APPAREL & ACCESSORIES	2,534	1,465	245	OTHER MGRS,ADMINISTRATORS	636
5623	FASHION MERCHANDISING	164	48	282	SALES REPRES, WHOLESALE TRADE	156
5723	FASHION MERCHANDISING	173	40	283	SALES CLERKS RETAIL TRADE	1,342
040200P	APPAREL AND ACCESSORIES	989	687	321	ESTIMATRS,INVESTIGATRS,NEC	144
				762	STOCK HANDLERS	623
				962	GUARDS AND WATCHMEN	451
U.S.O.E. CODE CLUSTER: 040300	AUTOMOTIVE					
040300	AUTOMOTIVE	1,024	527	154	INDUSTRIAL ENGINEERING TECH	6

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STATEWIDE

LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
6425	AUTOMOTIVE PARTS SPECIALIST	20	20	245	OTHER MGRS,ADMINISTRATORS	636
				260	ADVERTISING AGENTS,SALESMEN	82
				282	SALES REPRES, WHOLESALE TRADE	156
				284	SALESMEN, RETAIL TRADE	577
				473	AUTO MECHANICS	301
				711	PARKING ATTENDANTS	109

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U.S.O.E. CODE CLUSTER: 040400 FINANCE AND CREDIT

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
040400	FINANCE & CREDIT	354	242	202	BANK, FINANCIAL MANAGERS	1,624
5521	CREDIT & COLLECTIONS	788	7	203	BUYERS,SHIPPERS,FARM PROD	20
5626	BANKING MANAGEMENT	1,410	651	271	STOCK AND BOND SALESMEN	125
5726	BANKING MANAGEMENT	6,122	391	285	SALESMEN, SERV AND CONSTR	95
				301	BANK TELLERS	1,256
				313	COLLECTORS, BILL AND ACCOUNT	86
				321	ESTIMATRS,INVESTIGATRS,NEC	144
				375	STATISTICAL CLERKS	209
				394	MISC CLERICAL WORKERS,NEC	568

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U.S.O.E. CODE CLUSTER: 040500 FLORISTRY

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
040500	FLORISTRY	180	85	183	DESIGNERS	118
6252	FLORAL DESIGN AND SHOP MGMNT.	15	0	282	SALES REPRES, WHOLESALE TRADE	156
6352	FLORAL DESIGN AND SHOP MGMNT.	696	621	283	SALES CLERKS RETAIL TRADE	1,342

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U.S.O.E. CODE CLUSTER: 040600 FOOD DISTRIBUTION

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
040600	FOOD DISTRIBUTION	5,128	2,764	203	BUYERS,SHIPPERS,FARM PROD	20
				205	BUYERS,WHOLESALE,RETAIL	242
				230	RESTAURANTS,CAFE,BAR MGRS	348

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...				231	SALES MANAGER, RETAIL TRADE	236
				245	OTHER MGRS,ADMINISTRATORS	636
				264	HUCKSTERS AND PEDDLERS	338
				282	SALES REPRES, WHOLESALE TRADE	156
				283	SALES CLERKS RETAIL TRADE	1,342
				284	SALESMEN, RETAIL TRADE	577
				310	CASHIERS	738
				374	SHIPPING, RECEIVING CLERKS	185
				381	STOCK CLERKS, STORE KEEPRS	492
				441	FOREMEN, NEC	173
				705	DELIVERY AND ROUTEMN	476
				753	FREIGHT, MATERIAL HANDLERS	325
				762	STOCK HANDLERS	623

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U.S.O.E. CODE CLUSTER: 040700 FOOD SERVICES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
040700	FOOD SERVICES	2,059	979	230	RESTAURANTS,CAFE,BAR MGRS	348
5624	FOOD MARKETING	53	21	264	HUCKSTERS AND PEDDLERS	338
5724	FOOD MARKETING	188	154	282	SALES REPRES, WHOLESALE TRADE	156
				285	SALESMEN, SERV AND CONSTR	95
				310	CASHIERS	738
				705	DELIVERY AND ROUTEMN	476
				915	WAITERS	1,646
				933	ATTEN,PERSONAL,SERVICE,NEC	32
				950	HOUSEKEEPERS, EXC PRIVATE	245

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U.S.O.E. CODE CLUSTER: 040800 GENERAL MERCHANDISE

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
040800	GENERAL MERCHANDISE	5,545	2,059	205	BUYERS,WHOLESALE,RETAIL	242

continued...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...				231	SALES MANAGER, RETAIL TRADE	236
				245	OTHER MGRS,ADMINISTRATORS	636
				261	AUCTIONEERS	8
				262	DEMONSTRATORS	39
				283	SALES CLERKS RETAIL TRADE	1,342
				310	CASHIERS	738
				313	COLLECTORS, BILL AND ACCOUNT	86
				321	ESTIMATRS,INVESTIGATRS,NEC	144
				394	MISC CLERICAL WORKERS,NEC	568
				705	DELIVERY AND ROUTEMN	476

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U.S.O.E. CODE CLUSTER: 040900 HARDWARE, BUILDING MATERIALS, FARM & GARDEN SUPPLIES, EQUIPMENT

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
040900	HRDWARE,BLDG MATS, & EQUIP	761	460	245	OTHER MGRS,ADMINISTRATORS	636
				282	SALES REPRES, WHOLESALE TRADE	156
				283	SALES CLERKS RETAIL TRADE	1,342
				441	FOREMEN, NEC	173

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U.S.O.E. CODE CLUSTER: 041000 HOME FURNISHINGS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
041000	HOME FURNISHINGS	309	171	205	BUYERS,WHOLESALE,RETAIL	242
041000P	HOME FURNISHINGS	37	36	245	OTHER MGRS,ADMINISTRATORS	636
				262	DEMONSTRATORS	39
				282	SALES REPRES, WHOLESALE TRADE	156
				283	SALES CLERKS RETAIL TRADE	1,342
				284	SALESMEN, RETAIL TRADE	577
				285	SALESMEN, SERV AND CONSTR	95
				321	ESTIMATRS,INVESTIGATRS,NEC	144
				452	INSPECTORS, OTHER	27

STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
U.S.O.E. CODE CLUSTER: 041100	HOTEL & LODGING					
041100	HOTEL & LODGING	94	43	216	MGRS,SUPERINTENDANTS,BLDG	614
5424	RESTAURANT & HOTEL MANAGEMENT	43	7	245	OTHER MGRS,ADMINISTRATORS	636
5425	HOTEL/MOTEL MANAGEMENT	16	0	285	SALESMEN, SERV AND CONSTR	95
5524	RESTAURANT & HOTEL MANAGEMENT	1,968	270	314	COUNTER CLERKS, EXCEPT FOOD	409
5525	HOTEL/MOTEL MANAGEMENT	553	0	932	ATTEN,RECREATION, AMUSEMENT	80
				933	ATTEN,PERSONAL,SERVICE,NEC	32
				934	BAGGAGE PORTRS AND BELLHOPS	- 1
				940	BOARDING, LODGNG HOUSEKEEPERS	- 20
U.S.O.E. CODE CLUSTER: 041200	INDUSTRIAL MARKETING					
041200	INDUSTRIAL MARKETING	109	75	231	SALES MANAGER, RETAIL TRADE	236
5621	MID-MANAGEMENT	5,200	1,775	245	OTHER MGRS,ADMINISTRATORS	636
5721	MID-MANAGEMENT	5,101	1,513	281	SALES REPRES, MFG	501
				282	SALES REPRES, WHOLESALE TRADE	156
				283	SALES CLERKS RETAIL TRADE	1,342
				285	SALESMEN, SERV AND CONSTR	95
U.S.O.E. CODE CLUSTER: 041300	INSURANCE					
041300	INSURANCE	294	46	215	INSPECTOR,EXC CONSTRUCT PUB	54
				245	OTHER MGRS,ADMINISTRATORS	636
				265	INSURANCE AGENTS, BROKERS,ETC	1,749
				321	ESTIMATRS,INVESTIGATRS,NEC	144
				326	INSURANCE ADJUST, EXAM	215

U.S.O.E. CODE CLUSTER: 041400 INTERNATIONAL TRADE

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
041400	INTERNATIONAL TRADE	14	7	245	OTHER MGRS,ADMINISTRATORS	636
5629	EXPORT-IMPORT MANAGEMENT	24	1			
5729	EXPORT-IMPORT MANAGEMENT	72	0			

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U.S.O.E. CODE CLUSTER: 041500 PERSONAL SERVICES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
041500	PERSONAL SERVICES	632	342	191	PHOTOGRAPHERS	47
9622	MUNICIPAL ADMINISTRATION	216	34	211	FUNERAL DIRECTORS	92
				231	SALES MANAGER, RETAIL TRADE	236
				245	OTHER MGRS,ADMINISTRATORS	636
				314	COUNTER CLERKS, EXCEPT FOOD	409
				321	ESTIMATRS,INVESTIGATRS,NEC	144

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U.S.O.E. CODE CLUSTER: 041600 PETROLEUM

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
041600	PETROLEUM	953	503	222	OFF'LS,ADMINISTRATORS, PUB	121
				245	OTHER MGRS,ADMINISTRATORS	636
				282	SALES REPRES, WHOLESALE TRADE	156
				315	DISPATCHER,STARTER,VEHICLE	93
				452	INSPECTORS, OTHER	27
				623	GARAGE WORKRS,GAS STAT ATTEN	669

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U.S.O.E. CODE CLUSTER: 041700 REAL ESTATE

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
041700	REAL ESTATE	1,127	31	091	ECONOMISTS	101
5423	REAL ESTATE	1,284	504	216	MGRS,SUPERINTENDANTS,BLDG	614
5523	REAL ESTATE	10,333	4,146	245	OTHER MGRS,ADMINISTRATORS	636
				270	REAL ESTATE AGENTS, BROKERS	2,171
				285	SALESMEN, SERV AND CONSTR	95

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STATEWIDE

LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...				363	REAL ESTATE APPRAISERS	107
				394	MISC CLERICAL WORKERS, NEC	568

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U.S.O.E. CODE CLUSTER: 041800 RECREATION AND TOURISM

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
041800	RECREATION & TOURISM	170	85	101	RECREATION WORKERS	246
9621	RECREATIONAL AIDE	170	84	191	PHOTOGRAPHERS	47
				223	OFF'LS OF LODGES, UNIONS	158
				245	OTHER MGRS, ADMINISTRATORS	636
				282	SALES REPRES, WHOLESALE TRADE	156
				283	SALES CLERKS RETAIL TRADE	1,342
				310	CASHIERS	738
				364	RECEPTIONISTS	632
				390	TICKET STATION, EXPRESS AGENTS	138
				932	ATTEN, RECREATION, AMUSEMENT	80

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U.S.O.E. CODE CLUSTER: 041900 TRANSPORTATION

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
041900	TRANSPORTATION	154	63	023	ENGINEERS, OTHER	375
5422	COMMERCIAL TRANSPORTATION	246	191	056	PERSONNEL LABR RELATIONS	1,672
5522	COMMERCIAL TRANSPORTATION	357	320	245	OTHER MGRS, ADMINISTRATORS	636
5622	AVIATION MANAGEMENT	226	201	282	SALES REPRES, WHOLESALE TRADE	156
041900P	TRANSPORATION	19	15	285	SALESMEN, SERV AND CONSTR	95
				310	CASHIERS	738
				312	CLERICAL SUPERVISORS, NEC	116
				323	EXPEDITRS, PROD CONTROLLRS	81
				390	TICKET STATION, EXPRESS AGENTS	138
				441	FOREMEN, NEC	173
				714	TAXICAB DRIVERS, CHAUFFEURS	251

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STATEWIDE                                      LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)
COURSE CODE        COURSE TITLE                ENROLLMENTS  COMPLETIONS       CENSUS       OCCUPATIONAL TITLE             NEEDED
  continuation...
                                                                               753   FREIGHT, MATERIAL HANDLERS            325
                                                                               915   WAITERS                             1,646
                                                                               931   AIRLINE STEWARDESSES                  540
                                                                               933   ATTEN,PERSONAL,SERVICE,NEC             32
                                                                               934   BAGGAGE PORTRS AND BELLHOPS     -       1
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U.S.O.E. CODE CLUSTER: 042000           OTHER RETAIL TRADE
  042000    RETAIL TRADE (OTHER)              2,764        1,505               264   HUCKSTERS AND PEDDLERS                338
                                                                               381   STOCK CLERKS, STORE KEEPRS            492
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U.S.O.E. CODE CLUSTER: 043100           OTHER WHOLESALE TRADE
  043100    WHOLESALE TRADE (OTHER)             530          314               245   OTHER MGRS,ADMINISTRATORS             636
                                                                               282   SALES REPRES, WHOLESALE TRADE         156
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U.S.O.E. CODE CLUSTER: 049900           OTHER INSTRUCTIONAL PROGRAMS
  049900    OTHER                             2,362          605               225   PURCHASING AGENTS, BUYERS,NEC         190
  5599      DISTRIBUTIVE EDUCATION,OTHER     10,661        5,091               285   SALESMEN, SERV AND CONSTR              95
  5799      DISTRIBUTIVE EDUCATION,OTHER      4,117        2,293               394   MISC CLERICAL WORKERS-NEC             568
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U.S.O.E. CODE CLUSTER: 050504            RADIO & TELEVISION
  050504P   RADIO AND TELEVISION ANNOUNCER      692          256               193   RADIO, TV ANNOUNCERS                   40
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U.S.O.E. CODE CLUSTER: 070101           DENTAL ASSISTING
  070101    DENTAL ASSISTANT                    721          416               921   DENTAL ASSISTANTS                     730
  8023      DENTAL ASSISTANT                    421          260
  070101P   DENTAL ASSISTING                    360          334
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STATEWIDE                               LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE         COURSE TITLE          ENROLLMENTS  COMPLETIONS          CENSUS     OCCUPATIONAL TITLE          NEEDED

U.S.O.E. CODE CLUSTER: 070102        DENTAL HYGIENE

  8034      DENTAL HYGIENE                      321          212            081   DENTAL HYGIENISTS                  101

  8134      DENTAL HYGIENE                      281            0

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U.S.O.E. CODE CLUSTER: 070103        NURSING ASSISTANCE

  070103    DENTAL TECHNICIAN                   145           54            426   DENTAL LABORATORY TECH              37

  8024      DENTAL LABORATORY TECHNOLOGY        201           79

  070103P   DENTAL LABORATORY TECHNOLOGY        133          100

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U.S.O.E. CODE CLUSTER: 070200        MEDICAL LABORATORY TECHNOLOGY

  8028      MEDICAL LABORATORY TECHNOLOGY       332          200            080   CLINICAL LAB TECHNOL, TECH         217

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U.S.O.E. CODE CLUSTER: 070201        CYTOLOGY

  070201P   CYTOLOGY                              5            4            044   BIOLOGICAL SCIENTISTS               30

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U.S.O.E. CODE CLUSTER: 070202        HISTOLOGY

  070202P   HISTOLOGY                             7            7            044   BIOLOGICAL SCIENTISTS               30

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U.S.O.E. CODE CLUSTER: 070203        MEDICAL LABORATORY ASSISTING

  070203    LAB TECHNICIAN (MED)                202          138            080   CLINICAL LAB TECHNOL, TECH         217

  8027      MEDICAL LABORATORY ASSISTANT        103           25            173   OTHER TECHNICIANS EXC HEALTH        67

  070203P   MEDICAL LABORATORY ASSISTING        684          527

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U.S.O.E. CODE CLUSTER: 070213        MEDICAL  LABORATORY ASSISTING

  070213    MEDICAL LABORATORY ASSISTANT        118           52            080   CLINICAL LAB TECHNOL, TECH         217

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U.S.O.E. CODE CLUSTER: 070299        OTHER MEDICAL LABORATORY TECHNOLOGY (SPECIFY)
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STATEWIDE                                      LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE        COURSE TITLE               ENROLLMENTS  COMPLETIONS         CENSUS      OCCUPATIONAL TITLE           NEEDED
  continuation...
  070299P   MEDICAL ASSISTANT                      466         397              364   RECEPTIONISTS                     632

                                                                                 394   MISC CLERICAL WORKERS,NEC         568

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U.S.O.E. CODE CLUSTER: 070301          NURSING (ASSOCIATE DEGREE)

  8021      ASSOCIATE DEGREE NURSING             4,269       1,744              075   REGISTERED NURSES               3,296

  8121      ASSOCIATE DEGREE NURSING             1,006       1,006

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U.S.O.E. CODE CLUSTER: 070302          practical nursing

  070302    VOCATIONAL NURSING                     480         451

  7821      VOCATIONAL NURSING                   4,886       2,221              926   PRACTICAL NURSES                1,012

  7921      VOCATIONAL NURSING                     562         152

  070302P   PRACTICAL NURSING                    2,279       1,756

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U.S.O.E. CODE CLUSTER: 070303          NURSING ASSISTANCE

  070303    NURSING ASSISTANCE (AIDE)            2,739         894              925   NURSES AIDES, ORDERLIES           415

  7822      NURSE AIDE                             642         377              926   PRACTICAL NURSES                1,012

  7922      NURSE AIDE                           2,385       1,711

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U.S.O.E. CODE CLUSTER: 070304          PSYCHIATRIC AIDE

  7823      WARD CLERK                              31          31              925   NURSES AIDES, ORDERLIES           415

  7923      WARD CLERK                             201         111

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U.S.O.E. CODE CLUSTER: 070305          SURGICAL TECHNICIAN

  070305    SURGICAL TECHNICIAN (O.R.)              27          16              085   OTHER HEALTH TECHNOL, TECH         22

  8031      OPERATING ROOM TECHNOLOGY              135          61

  8131      OPERATING ROOM TECHNOLOGY              125         103

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STATEWIDE                                        LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)
COURSE CODE         COURSE TITLE                 ENROLLMENTS  COMPLETIONS          CENSUS      OCCUPATIONAL TITLE             NEEDED
U.S.O.E. CODE CLUSTER: 070307           HONE HEALTH AIDE
  070307    HOME HEALTH AIDE                          5            3               922   HEALTH AIDES, EXCEPT NURSNG          129
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U.S.O.E. CODE CLUSTER: 070399           OTHER NURSING
  070304    PSYCHIATRIC AIDE                          2            1               925   NURSES AIDES, ORDERLIES              415
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U.S.O.E. CODE CLUSTER: 070400           REHABILITATION
  8035      ASSOCIATED HEALTH OCCUPATIONS           170           63               084   THERAPY ASSISTANTS                    13
                                                                                   085   OTHER HEALTH TECHNOL, TECH            22
                                                                                   925   NURSES AIDES, ORDERLIES              415
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U.S.O.E. CODE CLUSTER: 070401           OCCUPATIONAL THERAPY
  070411    OCCUPATIONAL THERAPY ASSISTANT           11            6               922   HEALTH AIDES, EXCEPT NURSNG          129
  8030      OCCUPATIONAL THERAPY                    104           39
  8130      OCCUPATIONAL THERAPY                     60           49
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U.S.O.E. CODE CLUSTER: 070402           PHYSICAL THERAPY
  070402    PHYSICAL THERAPY ASSISTANT              115           72               084   THERAPY ASSISTANTS                    13
  8032      PHYSICAL THERAPY TECHNOLOGY              85           39               922   HEALTH AIDES, EXCEPT NURSNG          129
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U.S.O.E. CODE CLUSTER: 070499           OTHER REHABILITATION
  070413    ORTHOPEDIC APPLIANCE MECHANIC             9            5               085   OTHER HEALTH TECHNOL, TECH            22
                                                                                   925   NURSES AIDES, ORDERLIES              415
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U.S.O.E. CODE CLUSTER: 070501           RADIOLOGIC TECHNOLOGY
  070501    RADIOLOGIC TECHNOLOGY (X-RAY)            57           32               083   RADIOLOGIC TECHNOL, TECH             148
  070511    RADIOLOGIC TECHNICIAN ASSIST             61           33
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STATEWIDE                                      LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE          COURSE TITLE              ENROLLMENTS  COMPLETIONS          CENSUS       OCCUPATIONAL TITLE              NEEDED
  continuation...
  8033      RADIOLOGIC TECHNOLOGY                  593          245

  070501P   RADIOLOGIC TECHNOLOGY                  138          102

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U.S.O.E. CODE CLUSTER: 070601        OPHTHALMIC DISPENSING

  8037      OPHTHALMIC DISPENSING                   30            0              506    OPTICIANS,LENS GRINDR,POLISHR       57

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U.S.O.E. CODE CLUSTER: 070603        OPTOMETRIST ASSISTANT

  070603    OPTOMETRIST ASSISTANT                   22           13              085    OTHER HEALTH TECHNOL, TECH          22

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U.S.O.E. CODE CLUSTER: 070700        ENVIRONMENTAL HEALTH

  070701    ENVIRONMENTAL HEALTH ASSIST              2            0              085    OTHER HEALTH TECHNOL, TECH          22

  8036      ENVIRONMENTAL HEALTH TECHNOLOG           7            7              922    HEALTH AIDES, EXCEPT NURSNG        129

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U.S.O.E. CODE CLUSTER: 070703        SANITATION ASSISTANT

  070703    SANITARIAN ASSISTANT                     5            4              215    INSPECTOR,EXC CONSTRUCT PUB         54

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U.S.O.E. CODE CLUSTER: 070800        MENTAL HEALTH TECHNOLOGY

  070802    MENTAL RETARDATION AIDE                 10            4              085    OTHER HEALTH TECHNOL, TECH          22

  070811    MENTAL HEALTH ASSISTANT                  9            3              922    HEALTH AIDES, EXCEPT NURSNG        129

  8029      MENTAL HEALTH TECHNOLOGY               562          300              925    NURSES AIDES, ORDERLIES            415

  8129      MENTAL HEALTH TECHNOLOGY                81           81

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U.S.O.E. CODE CLUSTER: 070900        MISCELLANEOUS HEALTH OCCUPATIONS EDUCATION

  070900    MISC HEALTH OCC EDUCATION               65            6              085    OTHER HEALTH TECHNOL, TECH          22

  8221      HEALTH CARE MANAGEMENT                  46           20              212    HEALTH ADMINISTRATORS              558

  8222      NURSING HOME ADMINISTRATION             86           46

  8321      HEALTH CARE MANAGEMENT                  30           17
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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
8322	NURSING HOME ADMINISTRATION	3,060	182			
070900P	ANESTHESIOLOGY	8	7			
U.S.O.E. CODE CLUSTER: 070901	ELECTROENCEPHALOGRAPH TECHNICIAN					
8034	CARDIOLOGY-ELECTROENCEPHALOGRA	10	0	083	RADIOLOGIC TECHNOL, TECH	148
				085	OTHER HEALTH TECHNOL, TECH	22
U.S.O.E. CODE CLUSTER: 070902	ELECTROCARDIAGRAPHIC TECHNICIAL					
070902	ELECTROCARDIOGRAPH TECHNICIAN	4	3	085	OTHER HEALTH TECHNOL, TECH	22
U.S.O.E. CODE CLUSTER: 070903	INHALATION THERAPY					
8025	RESPIRATORY THERAPY TECHNOLOGY	315	178	076	THERAPISTS	544
8125	RESPIRATORY THERAPY TECHNOLOGY	90	30	084	THERAPY ASSISTANTS	13
U.S.O.E. CODE CLUSTER: 070904	MEDICAL ASSISTANT					
070904	MED ASSIST (PHYSICAN'S OFF)	211	170	923	HEALTH TRAINEES	- 35
8026	MEDICAL ASSISTING TECHNOLOGY	220	84	925	NURSES AIDES, ORDERLIES	415
8126	MEDICAL ASSISTING TECHNOLOGY	157	131	926	PRACTICAL NURSES	1,012
U.S.O.E. CODE CLUSTER: 070905	CENTRAL SUPPLY TECHNICIAN					
070905	CENTRAL SUPPLY TECHNICIAN	28	11	925	NURSES AIDES, ORDERLIES	415
U.S.O.E. CODE CLUSTER: 070906	COMMUNITY HEALTH AIDE					
070906	HEALTH AIDE	1,107	59	085	OTHER HEALTH TECHNOL, TECH	22
9623	SERVICE FOR THE DEAF	130	130			
9723	SERVICE FOR THE DEAF	55	0			

STATEWIDE

LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
U.S.O.E. CODE CLUSTER: 070907	MEDICAL EMERGENCY TECHNICIAN					
8140	EMERGENCY MEDICAL TECHNICIAN	416	250	922	HEALTH AIDES, EXCEPT NURSNG	129
				925	NURSES AIDES, ORDERLIES	415
U.S.O.E. CODE CLUSTER: 070909	MORTUARY SCIENCE					
6236	MORTUARY SCIENCE	42	2	165	EMBALMERS	26
070909P	MORTUARY SCIENCE	729	572	211	FUNERAL DIRECTORS	92
U.S.O.E. CODE CLUSTER: 079900	OTHER HEALTH OCCUPATIONS EDUCATION					
070911	WARD CLERK	235	34	082	HEALTH RECORD TECHNOL,TECH	130
070912	MED RECORDS TECHICAN ASSIST	60	40	085	OTHER HEALTH TECHNOL, TECH	22
070913	INHALATION THERAPY ASSISTANT	94	76	922	HEALTH AIDES, EXCEPT NURSNG	129
070914	PHARMACIST ASSISTANT	101	72	923	HEALTH TRAINEES	- 35
070915	DIETARY CLERK	115	41	925	NURSES AIDES, ORDERLIES	415
070916	VETERINARIAN ASSISTANT	34	26	926	PRACTICAL NURSES	1,012
079900	OTHER	847	89			
7824	UNIT CLERK	63	60			
7924	UNIT CLERK	63	63			
7999	HEALTH OCCUPATIONS EDUCATION	1,649	824			
8199	HEALTH OCCUPATIONS EDUCATION	2,868	2,643			
8399	HEALTH OCCUPATIONS EDUCATION	4,068	1,091			
U.S.O.E. CODE CLUSTER: 090100	HOMEMAKING - PREP FOR PERSONAL, HOME & FAMILY LIVING					
090102	CHILD DEVELOPMENT	11,294	0		NO DEMAND DATA AVAILABLE	
090104	CONSUMER EDUCATION	16,641	0			
090106	HOME AND FAMILY LIVING	48,369	0			
090111	HOMEMAKING EDUCATION I	96,945	0			
090131	HOMEMAKING EDUCATION III	7,461	0			

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
090199	OTHER	4,320	3			

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U.S.O.E. CODE CLUSTER: 090201 CARE & GUIDANCE OF CHILDREN

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
090211	PRE-EMP LAB CHILD CARE	1,553	565	780	OTHER LABORERS	48
090221	CHILD CARE AIDE	1,814	1,020	822	FARM LABORERS WAGE WRKRS	- 118
5222	CHILD CARE/CHILD DEVELOPMENT	507	306	942	CHILD CARE WRKRS,EXC PRIVATE	1,262
5322	CHILD CARE/CHILD DEVELOPMENT	2,179	1,984			

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U.S.O.E. CODE CLUSTER: 090202 CLOTHING MANAGEMENT, PRODUCTION AND SERVICES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
090212	PRE-EMP LAB (CLOTHING)	143	25	610	CHECKRS,EXAMINRS,ETC,MFG	84
090222	PRE-EMP LAB (FASHION DESIGN)	54	19	613	DRESSMAKR,SEAMSTRESS,EXC FACT	970
090242	CVAE CLOTHING SERVICES	455	27	933	ATTEN,PERSONAL,SERVICE,NEC	32
090252	BRIDAL CONSULTANT	20	12	983	LAUNDRESSES, PRIVATE	74
090262	CLOTHING ASSISTANT	253	131			
090272	FABRIC COORDINATOR	253	133			
090282	FASHION COORDINATOR	351	211			
090292	TESTER OF TEXTILES	4	4			
5221	ALTERATION & TAILORING	130	130			
5224	FASHION DESIGN	72	72			
5321	ALTERATION & TAILORING	155	92			

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U.S.O.E. CODE CLUSTER: 090203 FOOD MANAGEMENT, PRODUCTION AND SERVICES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
090213	PRE-EMP LAB (FOOD SERVICE)	225	71	150	AGRI,BIOLOG TECH EXC HEALTH	8
090223	CVAE FOOD SERVICE	848	112	230	RESTAURANTS,CAFE,BAR MGRS	348
090233	FOOD CATERER	50	15	262	DEMONSTRATORS	39
090243	FOOD SERVICE EMPLOYEE	5,153	2,400	912	COOKS, EXC PRIVATE	931
090253	TESTER OF FOOD	13	7	916	FOOD WRKRS,NEC,EXC PRIVATE	404

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
5223	DIETITIAN AIDE	68	24	950	HOUSEKEEPERS, EXC PRIVATE	245
5323	DIETITIAN AIDE	674	558	981	COOKS, PRIVATE	313

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U.S.O.E. CODE CLUSTER: 090204 HOME FURNISHINGS, EQUIPMENT & SERVICES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
090214	PRE-EMP LAB (HOME FURNISHINGS)	74	13	245	OTHER MGRS,ADMINISTRATORS	636
090224	PRE-EMP LAB (INTERIOR DESIGN)	64	22	262	DEMONSTRATORS	39
090244	HOME FURNISHINGS AIDE	164	93	663	SEWERS AND STITCHERS	845
090254	TESTER OF TEXTILES	4	4	671	KNITTERS, LOOPRS, AND TOPPRS	6
5225	INTERIOR DESIGN	202	158			
5325	INTERIOR DESIGN	573	557			

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U.S.O.E. CODE CLUSTER: 090205 INSTITUTIONAL & HOME MANAGEMENT & SUPPORTING SERVICES

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
090215	PRE-EMP LAB(HOUSEKEEPING MGMT)	12	4	100	SOCIAL WORKERS	619
090235	COMPANION TO ELDERLY	366	211	901	CHAMBERMAID,MAID,EXC PRIV	1,598
090245	DIETITIAN AIDE	437	236	902	CLEANERS AND CHARWOMEN	2,647
090255	HOUSEKEEPING-MANAG ASSIST	1,058	589	942	CHILD CARE WRKRS,EXC PRIVATE	1,262
				950	HOUSEKEEPERS, EXC PRIVATE	245
				982	HOUSEKEEPERS, PRIVATE	672

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U.S.O.E. CODE CLUSTER: 090299 OTHER OCCUPATIONAL PREPARATION

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
091299	CVAE HOME AND COMMUNITY SERVIC	3,482	63	382	TEACHERS AIDE,EXC MONITORS	454
092299	CONSUMER AIDE	738	464	425	DECORATRS, WINDOW DRESSRS	102
093299	FLORAL DESIGNER	192	119	933	ATTEN,PERSONAL,SERVICE,NEC	32
094299	PHYSICAL FITNESS ASSISTANT	36	23	942	CHILD CARE WRKRS,EXC PRIVATE	1,262
095299	ARTS AND CRAFTS AIDE	72	45	954	WELFARE SERVICE AIDES	90
096299	VEH HOME & COMMUNITY SERVICES	1,064	25			
097299	COMMUNITY OR FAMILY SER AIDE	21	13			

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STATEWIDE                                  LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE        COURSE TITLE           ENROLLMENTS  COMPLETIONS          CENSUS      OCCUPATIONAL TITLE            NEEDED
  continuation...
  5399     HOMEMAKING: OCCUPATIONAL PREP.      511          125

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U.S.O.E. CODE CLUSTER: 140100       ACCOUNTING & COMPUTING OCCUPATIONS

  140100    ACCOUNTING & COMPUTING OCC        2,739        1,048               222   OFF'LS,ADMINISTRATORS, PUB         121

  5821      ACCOUNTING AND COMPUTING            871          360               303   BILLING CLERKS                     254

  5921      ACCOUNTING AND COMPUTING          3,471        2,045               305   BOOKKEEPERS                      1,824

  140100P   ACCOUNTING & COMPUTING OCC            4            0               310   CASHIERS                           758

                                                                               312   CLERICAL SUPERVISORS, NEC          116

                                                                               321   ESTIMATRS,INVESTIGATRS,NEC         144

                                                                               360   PAYROLL,TIME KEEPING CLERKS        206

                                                                               375   STATISTICAL CLERKS                 209

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U.S.O.E. CODE CLUSTER: 140101       ACCOUNTANTS

  140101P   ACCOUNTANTS                         645          196               001   ACCOUNTANTS                      2,177

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U.S.O.E. CODE CLUSTER: 140102       BOOKKEEPING

  140102P   BOOKKEEPERS                         528          256               305   BOOKKEEPERS                      1,824

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U.S.O.E. CODE CLUSTER: 140103       CASHIERS

  140103P   CASHIERS                             63           63               310   CASHIERS                           758

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U.S.O.E. CODE CLUSTER: 140104       MACHINE OPERATORS

  140104P   MACHINE OPERATORS                    10            8               341   BOOKKEEPING,BILLING OPERATORS      333

                                                                               342   CALCULATING MACHINE OPERATOR       115
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   STATEWIDE                               LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

   COURSE CODE         COURSE TITLE           ENROLLMENTS  COMPLETIONS          CENSUS       OCCUPATIONAL TITLE          NEEDED
     continuation...
                                                                                 344   DUPLICATING MACHINE OPERATOR          63

                                                                                 350   TABULATING MACHINE OPERATOR            8

                                                                                 355   OTHER OFFICE MACHINE OPERATR          94

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   U.S.O.E. CODE CLUSTER: 140200        BUSINESS DATA PROCESSING SYSTEMS OCCUPATIONS

     140200    BUSINESS DATA PROC SYSTEMS OCC    2,304         664               245   OTHER MGRS,ADMINISTRATORS            636

     140200P   BUS. DATA PROCESSING SYSTEMS      1,447         881               312   CLERICAL SUPERVISORS, NEC            116

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   U.S.O.E. CODE CLUSTER: 140201        COMPUTER & CONSOLE OPERATIONS

     6022      COMPUTER & CONSOLE OPERATOR          64          41               343   COMPUTER,PERIPHERAL EQUIP            700

     6122      COMPUTER & CONSOLE OPERATOR         100         100

     140201P   COMPUTER AND CONSOLE OPERATOR       240         182

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   U.S.O.E. CODE CLUSTER: 140202        PHERIPHERAL EQUIPMENT OPERATIONS

     140202P   KEYPUNCH OPERATOR                   805         503               345   KEYPUNCH OPERATORS                   723

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   U.S.O.E. CODE CLUSTER: 140203        PROGRAMMERS

     6021      DATA PROCESSING PROGRAMMER        6,246       1,945               003   COMPUTER PROGRAMERS                  261

     6121      DATA PROCESSING PROGRAMMER          366         168

     140203P   PROGRAMMER                          376         203

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   U.S.O.E. CODE CLUSTER: 140300        FILING, OFFICE MACHINES, GENERAL CLERICAL OCCUPATIONS

     140300    FILING, OFF MACHINES, CLERICAL   13,374       5,340               325   FILE CLERKS                        1,190

     140300P   FILING, OFF. MACH., CLERICAL        499          96               333   MESSENGRS AND OFFICE BOYS             14

                                                                                 355   OTHER OFFICE MACHINE OPERATR          94

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   U.S.O.E. CODE CLUSTER: 140303        GENERAL OFFICE CLERKS

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
5823	GENERAL OFFICE CLERICAL	1,977	586	303	BILLING CLERKS	254
5923	GENERAL OFFICE CLERICAL	5,114	2,158	305	BOOKKEEPERS	1,824
140303P	GENERAL OFFICE CLERKS	9	9	313	COLLECTORS, BILL AND ACCOUNT	86
				315	DISPATCHER,STARTER,VEHICLE	93
				321	ESTIMATRS,INVESTIGATRS,NEC	144
				323	EXPEDITRS,PROD CONTROLLRS	81
				360	PAYROLL,TIME KEEPING CLERKS	206
				374	SHIPPING, RECEIVING CLERKS	185
				390	TICKET STATION,EXPRESS AGENTS	138
				394	MISC CLERICAL WORKERS,NEC	508

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U.S.O.E. CODE CLUSTER: 140400 INFORMATION COMMUNICATION OCCUPATIONS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
140400	INFORMATION COMMUNICATION OCC	1,144	488	330	LIBRARY ATTENDANTS,ASSISTANT	437
7421	TECHNICAL COMMUNICATIONS	165	48	332	MAIL HANDLER,EXC POST OFFICE	229
7521	TECHNICAL COMMUNICATIONS	589	0	333	MESSENGRS AND OFFICE BOYS	14
9424	LIBRARY ASSISTANT	23	3			

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U.S.O.E. CODE CLUSTER: 140403 MAIL & POSTAL CLERKS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
9624	POSTAL SERVICE TECHNOLOGY	66	5	224	POSTMASTERS AND MAIL SUPER	46
				331	MAIL CARRIERS, POST OFFICE	271
				332	MAIL HANDLER,EXC POST OFFICE	229
				361	POSTAL CLERKS	336

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U.S.O.E. CODE CLUSTER: 140406 RECEPTIONISTS AND INFORMATION CLERKS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
140406P	RECEPTIONIST AND INFO. CLERK	121	92	364	RECEPTIONISTS	632

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U.S.O.E. CODE CLUSTER: 140499 OTHER INFORMATION COMMUNICATION OCCUPATIONS

continued...

continuation...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
7599	INFORMATION COMMUNICATIONS OCC	193	23	394	MISC CLERICAL WORKERS,NEC	568

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U.S.O.E. CODE CLUSTER: 140500 MATERIALS SUPPORT OCCUPATIONS, TRANSPORTING, STORING, RECORDING

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
140500	MATERIALS SUPPORT OCC	161	127	323	EXPEDITRS,PROD CONTROLLRS	61
				374	SHIPPING, RECEIVING CLERKS	165
				375	STATISTICAL CLERKS	209
				381	STOCK CLERKS, STORE KEEPRS	492
				610	CHECKRS,EXAMINRS,ETC,MFG	64
				624	GRADERS AND SORTERS, MFG	30
				753	FREIGHT, MATERIAL HANDLERS	325
				762	STOCK HANDLERS	623
				770	WAREHOUSEMEN, NEC	143

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U.S.O.E. CODE CLUSTER: 140501 PLANNING & PRODUCTION CLERKS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
5627	PRODUCTION MANAGEMENT	79	7	323	EXPEDITRS,PROD CONTROLLRS	61
5727	PRODUCTION MANAGEMENT	68	0	375	STATISTICAL CLERKS	209
				394	MISC CLERICAL WORKERS,NEC	568

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U.S.O.E. CODE CLUSTER: 140505 TRAFFIC, RATE & TRANSPORTATION CLERKS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
5826	OTHER (AIR RES. AG.) OFF. & SY	31	21	374	SHIPPING, RECEIVING CLERKS	165
5926	OTHER (AIR RES. AG.) OFF. & SY	120	120	394	MISC CLERICAL WORKERS,NEC	568

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U.S.O.E. CODE CLUSTER: 140600 PERSONNEL, TRAINING AND RELATED OCCUPATIONS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
140600	PERSONNEL, TRAINING, & RELATED	114	45	311	CLERICAL ASSIST,SOC WELFARE	2
				320	ENUMERATORS AND INTERVIEWERS	61
				360	PAYROLL,TIME KEEPING CLERKS	206
				382	TEACHERS AIDE,EXC MONITORS	454

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STATEWIDE                                      LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE        COURSE TITLE           ENROLLMENTS  COMPLETIONS          CENSUS      OCCUPATIONAL TITLE           NEEDED
  continuation...
                                                                             394   MISC CLERICAL WORKERS,NEC           568

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U.S.O.E. CODE CLUSTER: 140700        STENOGRAPHIC, SECRETARIAL & RELATED OCCUPATIONS

  140700     STENO, SECRETARY, & RELATED        4,995        1,419           245   OTHER MGRS,ADMINISTRATORS           636

  5824       STENOGRAPHIC & GEN. SECRETARIA     4,626        1,779           370   SECRETARIES, LEGAL                  356

  5924       STENOGRAPHIC & GEN. SECRETARIA     9,151        4,677           371   SECRETARIES, MEDICAL                213

  140700P    STENOGRAPHIC & SECRETARIAL OCC       367          218           372   SECRETARIES, OTHER                8,877

                                                                             376   STENOGRAPHERS                        34

                                                                             391   TYPISTS                           2,375

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U.S.O.E. CODE CLUSTER: 140701        EXECUTIVE SECRETARY

  140701P    EXECUTIVE SECRETARY                2,169        1,145           372   SECRETARIES, OTHER                8,877

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U.S.O.E. CODE CLUSTER: 140702        SECRETARIES

  5825       SPECIALIZED SECRETARIAL              326          134           370   SECRETARIES, LEGAL                  356

  5827       MEDICAL RECORDS/MEDICAL TRANSC       515          176           371   SECRETARIES, MEDICAL                213

  5925       SPECIALIZED SECRETARIAL            1,104          600

  5927       MEDICAL RECORDS/MEDICAL TRANSC     1,537        1,109

  140702P    SECRETARY                            218           90

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U.S.O.E. CODE CLUSTER: 140703        STENOGRAPHERS

  5829       COURT REPORTING                       34            5           184   EDITORS AND REPORTERS               150

  5929       COURT REPORTING                       69            0           376   STENOGRAPHERS                        34

  140703P    STENOGRAPHER                         797          313

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U.S.O.E. CODE CLUSTER: 140800        SUPERVISORY AND ADMINISTRATIVE MANAGEMENT OCCUPATIONS

  140800     SUPERVISORY,ADMINISTRATIVE OCC        59           41           220   OFFICE MANAGERS, NEC              1,530

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STATEWIDE

LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

continuation...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
5822	GENERAL BUSINESS (BUS. MGMT.)	2,164	296	231	SALES MANAGER, RETAIL TRADE	236
5922	GENERAL BUSINESS (BUS. MGMT.)	2,430	601	233	SALES MANAGER, EXC RET.TRADE	910
140800P	SUPERVISORY & ADMIN. MANAGEMNT	49	16	245	OTHER MGRS,ADMINISTRATORS	636
				303	BILLING CLERKS	254
				305	BOOKKEEPERS	1,824
				310	CASHIERS	738
				313	COLLECTORS, BILL AND ACCOUNT	86

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U.S.O.E. CODE CLUSTER: 140801 ADMINISTRATIVE ASSISTANTS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
5828	LEGAL ASSISTANT	542	178	245	OTHER MGRS,ADMINISTRATORS	636
140801P	ADMINISTRATIVE ASSISTANT	243	49			

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U.S.O.E. CODE CLUSTER: 140900 TYPING & RELATED OCCUPATIONS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
140900	TYPING & RELATED OCC	5,709	1,000	391	TYPISTS	2,375
140901P	CLERK TYPIST	1,771	1,017			

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U.S.O.E. CODE CLUSTER: 149900 OTHER OFFICE OCCUPATIONS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
149900	OTHER	775	204	184	EDITORS AND REPORTERS	150
5999	OFFICE OCCUPATIONS, OTHER	2,116	1,016	215	INSPECTOR,EXC CONSTRUCT PUB	54
6199	OFFICE OCCUPATIONS, OTHER	2,341	1,034	222	OFF'LS,ADMINISTRATORS, PUB	121
				245	OTHER MGRS,ADMINISTRATORS	636
				311	CLERICAL ASSIST,SOC WELFARE	2
				312	CLERICAL SUPERVISORS, NEC	116
				313	COLLECTORS, BILL AND ACCOUNT	86
				314	COUNTER CLERKS, EXCEPT FOOD	409

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COURSE CODE        COURSE TITLE            ENROLLMENTS  COMPLETIONS        CENSUS        OCCUPATIONAL TITLE              NEEDED
  continuation...
                                                                            320   ENUMERATORS AND INTERVIEWERS              61

                                                                            321   ESTIMATRS,INVESTIGATRS,NEC               144

                                                                            326   INSURANCE ADJUST, EXAM                   215

                                                                            334   METER READERS, UTILITIES                  48

                                                                            362   PROOFREADERS                             142

                                                                            364   RECEPTIONISTS                            632

                                                                            374   SHIPPING, RECEIVING CLERKS               185

                                                                            375   STATISTICAL CLERKS                       209

                                                                            394   MISC CLERICAL WORKERS,NEC                568

                                                                            705   DELIVERY AND ROUTEMN                     476

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U.S.O.E. CODE CLUSTER: 160101         AERONAUTICAL TECHNOLOGY

   8626      AVIONICS                          80          80               162   ENGINEERING,SCIENCE TECH NEC              63

                                                                            471   AIRCRAFTS                                371

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U.S.O.E. CODE CLUSTER: 160105         CLINICAL TECHNOLOGY

   8423      CHEMICAL TECHNOLOGY               38          22               151   CHEMICAL TECHNICIANS                      79

   8523      CHEMICAL TECHNOLOGY              108           0               162   ENGINEERING,SCIENCE TECH NEC              63

                                                                            620   DYERS                                      7

                                                                            690   MACHINE OPER,MISC SPECIF                 132

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U.S.O.E. CODE CLUSTER: 160106         CIVIL TECHNOLOGY

   160106    CIVIL TECH                        39          30               152   DRAFTSMEN                                450

   7622      CONSTRUCTION MANAGEMENT          181         181               162   ENGINEERING,SCIENCE TECH NEC              63

   7722      CONSTRUCTION MANAGEMENT           32           0               605   CHAINMN, RODMN,AXMN SURVEYNG              36

   8424      CIVIL & HIGHWAY TECHNOLOGY       219         100

   8425      CONSTRUCTION TECHNOLOGY          249          90
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STATEWIDE                                   LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE          COURSE TITLE           ENROLLMENTS  COMPLETIONS          CENSUS       OCCUPATIONAL TITLE              NEEDED
  continuation...
   8435      SURVEYING TECHNOLOGY                   71          58

   8525      CONSTRUCTION TECHNOLOGY               148         100

   8536      WATER UTILITIES TECHNOLOGY          7,424           0

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 U.S.O.E. CODE CLUSTER: 160107         ELECTRICAL TECHNOLOGY

   8822      ELECTRICAL POWER TECHNOLOGY            18          16                 153   ELECTRICAL, ELECTRONIC TECH              55

   8823      ELECTRICAL TECHNOLOGY                 199          48                 171   RADIO OPERATORS                          68

   8922      ELECTRICAL POWER TECHNOLOGY         3,218          22                 475   DATA PROCESSNG MACH REPAIRMN            114

   8923      ELECTRICAL TECHNOLOGY                 143          42                 492   OTHER MECHANICS AND REPAIRMN             31

   160107P   ELECTRICAL TECHNOLOGY                  97          39                 525   POWER STATION OPERATORS                   7

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 U.S.O.E. CODE CLUSTER: 160108         ELECTRONIC TECHNOLOGY

   160116    CONTROL ROOM TECHNICIAN               137          38                 153   ELECTRICAL, ELECTRONIC TECH              55

   160128    INDUSTRIAL MEDIA TECHNOLOGY            73          29                 162   ENGINEERING,SCIENCE TECH NEC             63

   8824      ELECTRONICS TECHNOLOGY              3,714       1,601                 171   RADIO OPERATORS                          68

   8924      ELECTRONICS TECHNOLOGY                466         324                 475   DATA PROCESSNG MACH REPAIRMN            114

   160108P   ELECTRONIC TECHNOLOGY               1,436         514                 492   OTHER MECHANICS AND REPAIRMN             31

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 U.S.O.E. CODE CLUSTER: 160109         ELECTROMECHANICAL TECHNOLOGY

   8821      ELECTRO-MECHANICAL TECHNOLOG          144         134                 153   ELECTRICAL, ELECTRONIC TECH              55

   160109P   ELECTROMECHANICAL TECHNOLOGY            0           0                 482   HOUSEHLD APPLIANCE MECHANICS             65

                                                                                   492   OTHER MECHANICS AND REPAIRMN             31

                                                                                   525   POWER STATION OPERATORS                   7

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 U.S.O.E. CODE CLUSTER: 160110         ENVIRONMENTAL - CONTROL TECHNOLOGY

   160110P   ENVIRONMENTAL-CONTROL TECH            969         690                 470   AIR COND, HEATING, REFRIG               125

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STATEWIDE                                  LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE        COURSE TITLE            ENROLLMENTS  COMPLETIONS        CENSUS       OCCUPATIONAL TITLE             NEEDED

U.S.O.E. CODE CLUSTER: 160111        INDUSTRIAL TECHNOLOGY

  7721       INDUSTRIAL MANAGEMENT              4,819          79             154   INDUSTRIAL ENGINEERING TECH          6

                                                                              602   ASSEMBLERS                         168

                                                                              610   CHECKRS,EXAMINRS,ETC,MFG            84

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U.S.O.E. CODE CLUSTER: 160112        INSTRUMENTATION TECHNOLOGY

  8426       INSTRUMENTATION TECHNOLOGY           260         241             153   ELECTRICAL, ELECTRONIC TECH         55

  8526       INSTRUMENTATION TECHNOLOGY           567         507             156   MATHEMATICAL TECHN

                                                                              162   ENGINEERING,SCIENCE TECH NEC        63

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U.S.O.E. CODE CLUSTER: 160113        MECHANICAL TECHNOLOGY

  7623       PRODUCTION MANAGEMENT                 22          22             154   INDUSTRIAL ENGINEERING TECH          6

  7723       PRODUCTION MANAGEMENT                  6           0             155   MECHANICAL ENGINEERING TECH

  8427       MECHANICAL TECHNOLOGY                363          24             162   ENGINEERING,SCIENCE TECH NEC        63

  8437       QUALITY CONTROL TECHNOLOGY            57           3             172   TOOL PROGRAMERS, NUMERICAL

  8436       FLUID POWER TECHNOLOGY                57          57             323   EXPEDITRS,PROD CONTROLLRS           61

  8537       QUALITY CONTROL TECHNOLOGY            37          37             470   AIR COND, HEATING, REFRIG          125

                                                                              492   OTHER MECHANICS AND REPAIRMN        31

                                                                              610   CHECKRS,EXAMINRS,ETC,MFG            64

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U.S.O.E. CODE CLUSTER: 160115        NUCLEAR TECHNOLOGY

  8440       NUCLEAR TECHNOLOGY                    37           0             162   ENGINEERING,SCIENCE TECH NEC        63

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U.S.O.E. CODE CLUSTER: 160116        PETROLEUM TECHNOLOGY

  8429       OIL & GAS TECHNOLOGY                  21           0             162   ENGINEERING,SCIENCE TECH NEC        63

  8430       PETROLEUM & CHEM. PROCESS TECH        33          33             614   DRILLERS, EARTH

  8431       PETROLEUM TECHNOLOGY                 108          66             640   MINE OPERATIVES, NEC            -  510
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STATEWIDE                                   LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE         COURSE TITLE            ENROLLMENTS  COMPLETIONS          CENSUS       OCCUPATIONAL TITLE              NEEDED
  continuation...
  8529      OIL & GAS TECHNOLOGY                    948          948             690   MACHINE OPER,MISC SPECIF             132

  8531      PETROLEUM TECHNOLOGY                  1,809            0

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U.S.O.E. CODE CLUSTER: 160117          SCIENTIFIC DATA PROCESSING

  9021      SCIENTIFIC DATA PROCESSING               77            2             003   COMPUTER PROGRAMERS                  201

  9121      SCIENTIFIC DATA PROCESSING                9            0

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U.S.O.E. CODE CLUSTER: 160199          OTHER ENGINEERING RELATED TECHNOLOGY

  8441      ENGINEERING TECHNOLOGY                   35           35             153   ELECTRICAL, ELECTRONIC TECH           55

  8999      ENGINEERING RELATED TECHNOLOGY        1,900        1,758             154   INDUSTRIAL ENGINEERING TECH            6

                                                                                 155   MECHANICAL ENGINEERING TECH

                                                                                 156   MATHEMATICAL TECHN

                                                                                 162   ENGINEERING,SCIENCE TECH NEC          63

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U.S.O.E. CODE CLUSTER: 160300          HEALTH-RELATED TECHNOLOGY

  8421      BIOMEDICAL EQUIPMENT TECHNOLOG           75           17             080   CLINICAL LAB TECHNOL, TECH           217

  160300P   MEDICAL ELECTRONICS TECHNOLOGY           20            6             085   OTHER HEALTH TECHNOL, TECH            22

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U.S.O.E. CODE CLUSTER: 160600          MISCELLANEOUS TECHNICAL EDUCATION

  6222      OCCUPATIONAL SAFETY & HEALTH             20            1             085   OTHER HEALTH TECHNOL, TECH            22

  6322      OCCUPATIONAL SAFETY & HEALTH            136            2             125   EDUCATION TEACHERS                     9

  9421      RELATED INSTRUCTION                   1,205          410             145   TEACHERS NEC, EXC COLL, UNIV         931

  9423      TEACHER AIDE                            249          249             162   ENGINEERING,SCIENCE TECH NEC          63

  9521      RELATED INSTRUCTION                     843            0             173   OTHER TECHNICIANS EXC HEALTH          67

  9522      TEACHER EDUCATION                     1,756           48             382   TEACHERS AIDE,EXC MONITORS           454

  9523      TEACHER AIDE                            136           64

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

U.S.O.E. CODE CLUSTER: 160601 COMMERCIAL PILOT TRAINING

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
9221	COMMERCIAL PILOT	877	465	163	AIRPLANE PILOTS	122
9321	COMMERCIAL PILOT	63	43			
160601P	COMMERICAL PILOT TRAINING	7,901	3,997			

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U.S.O.E. CODE CLUSTER: 160602 FIRE & FIRE SAFETY TECHNOLOGY

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
160602	FIRE AND FIRE SAFETY TECH	120	62	961	FIREMEN, FIRE PROTECTION	254
160602P	FIRE AND FIRE SAFETY TECH	767	708			

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U.S.O.E. CODE CLUSTER: 160604 OCEANOGRAPHIC TECHNOLOGY

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
8428	OCEANOGRAPHIC TECHNOLOGY	64	42	150	AGRI,BIOLOG TECH EXC HEALTH	8
8528	OCEANOGRAPHIC TECHNOLOGY	167	0	162	ENGINEERING,SCIENCE TECH NEC	63
160604P	OCEANOGRAPHIC TECHNOLOGY	339	243			

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U.S.O.E. CODE CLUSTER: 160605 POLICE SCIENCE TECHNOLOGY

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
160605	POLICE SCIENCE TECH	355	330	962	GUARDS AND WATCHMEN	451
7022	CORRECTIONS	75	52	963	MARSHALS AND CONSTABLES	71
160605P	POLICE SCIENCE TECHNOLOGY	2,072	1,922	964	POLICEMEN AND DETECTIVES	338
				965	SHERIFFS AND BAILIFFS	90

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U.S.O.E. CODE CLUSTER: 160699 OTHER MISCELLANEOUS TECHNICAL EDUCATION

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
8599	MISCELLANEOUS TECHNICAL EDUCAT	463	39	151	CHEMICAL TECHNICIANS	79
8799	MISCELLANEOUS TECHNICAL EDUCAT	60	42	155	MECHANICAL ENGINEERING TECH	
9399	MISCELLANEOUS TECHNICAL EDUCAT	235	225	162	ENGINEERING,SCIENCE TECH NEC	63
9599	MISCELLANEOUS TECHNICAL EDUCAT	2,604	2,320	173	OTHER TECHNICIANS EXC HEALTH	87

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U.S.O.E. CODE CLUSTER: 170100 AIR CONDITIONING

continued...

STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
7221	AIR CONDITIONING & HEATING	3,339	1,692	470	AIR COND, HEATING, REFRIG	125
7321	AIR CONDITIONING & HEATING	1,940	715	610	CHECKRS,EXAMINRS,ETC,MFG	84
170100P	AIR CONDITIONING	656	443			
U.S.O.E. CODE CLUSTER: 170101	COOLING					
170100	AIR CONDITIONING MECHANIC	421	98	470	AIR COND, HEATING, REFRIG	125
170111	REFRIGERATION MECHANIC	104	41	610	CHECKRS,EXAMINRS,ETC,MFG	84
170121	REFRIGERATION, AIRCONDITIONING	1,327	330			
U.S.O.E. CODE CLUSTER: 170199	OTHER AIR CONDITIONING					
7399	AIR CONDITIONING, OTHER	223	0	470	AIR COND, HEATING, REFRIG	125
				492	OTHER MECHANICS AND REPAIRMN	31
U.S.O.E. CODE CLUSTER: 170200	APPLIANCE REPAIR					
6223	APPLIANCE SERVICE & REPAIR	178	95	482	HOUSEHLD APPLIANCE MECHANICS	65
6243	COIN-OPERATED MACHINE REPAIR	60	10	780	OTHER LABORERS	48
6323	APPLIANCE SERVICE & REPAIR	27	27			
U.S.O.E. CODE CLUSTER: 170201	ELECTRICAL APPLIANCES					
170200	APPLIANCE REPAIR	437	113	482	HOUSEHLD APPLIANCE MECHANICS	65
170201	ELEC APPLIANCE SERVICEMAN	84	45	780	OTHER LABORERS	48
170210	HOME APPLIANCE	17	2			
170211	ELEC REFRIG SERVICEMAN	4	2			
170201P	ELECTRICAL APPLIANCES	5	3			
U.S.O.E. CODE CLUSTER: 170300	AUTOMOTIVE SERVICES					
6526	AUTOMOTIVE SPECIALTY TRAINING	355	344	215	INSPECTOR,EXC CONSTRUCT PUB	54

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
170300P	AUTOMOTIVE SERVICES	241	142	472	AUTO BODY REPAIRMEN	64
				473	AUTO MECHANICS	301

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U.S.O.E. CODE CLUSTER: 170301 BODY & FENDER

170301	AUTOMOBILE BODY REPAIRMAN	2,345	635	452	INSPECTORS, OTHER	27
170312	AUTOMOBILE MOTOR ANALYST	7	6	472	AUTO BODY REPAIRMEN	64
170342	AUTO BODY REPAIR	29	1	473	AUTO MECHANICS	301
6421	AUTO BODY REPAIR	607	385	644	PAINTERS,MFG ARTICLES	68
6521	AUTO BODY REPAIR	222	175			
170301P	BODY AND FENDER	329	201			

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U.S.O.E. CODE CLUSTER: 170302 MECHANICS

170302	AUTOMOBILE MECH	10,311	3,621	473	AUTO MECHANICS	301
170310	GENERAL MECHANICAL REPAIR	5,645	82	623	GARAGE WORKRS,GAS STAT ATTEN	689
170320	GENERAL MECHANIC	564	21			
170330	SERVICE STATION ATTENDANT	197	50			
170332	AUTO MECHANIC	140	8			
170352	MOTOR TRANSPORTATION TECH	797	3			
6422	AUTO MECHANICS	4,400	1,681			
6522	AUTO MECHANICS	1,724	1,039			
170302P	MECHANIC	3,012	674			

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U.S.O.E. CODE CLUSTER: 170303 SPECIALIZATION

170333	AUTO SPEC, BRAKES FRONT END ET	194	30	401	AUTO ACCESSORIES INSTALLERS	2
170303P	AUTOMATIC TRANSMISSIONS	35	25	445	GLAZIERS	39
				473	AUTO MECHANICS	301
				492	OTHER MECHANICS AND REPAIRMN	31

STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
U.S.O.E. CODE CLUSTER: 170399	OTHER AUTOMOTIVE SERVICES					
170397	PARTSMAN	132	81	281	SALES REPRES, MFG	501
170398	AUTOMOBILE PARTSMAN	371	224			
6599	AUTOMOTIVE SERVICES	3,227	3,145			
U.S.O.E. CODE CLUSTER: 170401	AIRCRAFT MAINTENANCE					
170401	AIRCRAFT MECHANIC	392	95	471	AIRCRAFTS	371
170411	AIRCRAFT ENGINE MECHANIC	5	3	694	OPERATIVES, NEC	129
6621	AIRFRAME & POWER MECHANIC	273	79			
6721	AIRFRAME & POWER MECHANIC	75	25			
6799	AIRCRAFT MAINTENANCE, OTHER	21	0			
170401P	AIRCRAFT MAINTENANCE	664	281			
170403P	GROUND OPERATIONS	2,692	1,072			
U.S.O.E. CODE CLUSTER: 170600	BUSINESS MACHINE MAINTENANCE					
170600	TYPEWRITER SERVICEMAN	23	12	481	FOREMEN, NEC	173
170610	BUSINESS MACHINE REPAIR	24	15	484	OFFICE MACHINE REPAIRMEN	140
170600P	BUSINESS MACHINE MAINTENANCE	43	12			
U.S.O.E. CODE CLUSTER: 170700	COMMERCIAL ART OCCUPATIONS					
170700	COMMERCIAL ARTIST	58	16	183	DESIGNERS	118
170730	CVAE COM DISPLAY & DECORATION	201	11	190	PAINTERS AND SCULPTORS	58
6224	COMMERCIAL ART	383	69	543	SIGN PAINTERS AND LETTERS	115
6324	COMMERCIAL ART	138	87			

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
8623	TECHNICAL ILLUSTRATION	56	26			
170700P	COMMERICAL ART OCCUPATIONS	168	89			
U.S.O.E. CODE CLUSTER: 170701	INTERIOR DECORATING					
170701P	INTERIOR DECORATING	7	2	510	PAINTERS,CONSTRUCTION,MAINT	558
U.S.O.E. CODE CLUSTER: 170702	WINDOW DISPLAY					
170702	DISPLAY MAN	20	10	425	DECORATRS, WINDOW DRESSRS	102
U.S.O.E. CODE CLUSTER: 170703	PRODUCT DESIGN					
170703	FLORAL DESIGNER	58	34	183	DESIGNERS	118
				190	PAINTERS AND SCULPTORS	58
				514	PATTERN AND MODEL MAKRS	8
U.S.O.E. CODE CLUSTER: 170900	COMMERCIAL PHOTOGRAPHY OCCUPATIONS					
170900	PHOTOGRAPHER	111	40	162	ENGINEERING,SCIENCE TECH NEC	63
6239	PHOTOGRAPHY	307	81	190	PAINTERS AND SCULPTORS	58
6339	PHOTOGRAPHY	1,066	350	191	PHOTOGRAPHERS	94
170900P	COMMERICAL PHOTOGRAPHY OCC	348	215	394	MISC CLERICAL WORKERS,NEC	568
170910	COMMERCIAL PHOTOGRAPHY	304	85	441	FOREMEN, NEC	173
170901P	PHOTOGRAPHIC LAB. AND DARKROOM	16	5	515	PHOTOENGRAVERS,LITHOGRAPHERS	13

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  STATEWIDE                                  LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

  COURSE CODE        COURSE TITLE            ENROLLMENTS  COMPLETIONS          CENSUS       OCCUPATIONAL TITLE             NEEDED
      continuation...
                                                                                641   MIXING OPERATIVES                       65

                                                                                645   PHOTOGRAPHIC PROCESS WRKRS             170

                                                                                690   MACHINE OPER,MISC SPECIF               132

                                                                                694   OPERATIVES, NEC                        129

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  U.S.O.E. CODE CLUSTER: 171000      CONSTRUCTION AND MAINTENANCE TRADES

    6225      CONSTRUCTION & MAINTENANCE TRA      593          101                  415   CARPENTERS                             808

    6325      CONSTRUCTION & MAINTENANCE TRA    4,376          288                  452   INSPECTORS, OTHER                       27

    8422      BUILDING MATERIALS TECHNOLOGY        62           62                  751   CONSTR LABR, EXC CARPENTRS HEL         320

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  U.S.O.E. CODE CLUSTER: 171001      CARPENTRY

    171001    CARPENTER                         2,165          353                  415   CARPENTERS                             808

                                                                                441   FOREMEN, NEC                           173

                                                                                452   INSPECTORS, OTHER                       27

                                                                                750   CARPENTERS, HELPERS                  - 206

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  U.S.O.E. CODE CLUSTER: 171002      ELECTRICITY

    171002    NEON SIGN SERVICEMAN                 39           10                  153   ELECTRICAL, ELECTRONIC TECH             55

    171012    ELECTRICIAN                       1,916          135                  430   ELECTRICIANS                           311

                                                                                452   INSPECTORS, OTHER                       27

                                                                                482   HOUSEHLD APPLIANCE MECHANICS            65

                                                                                780   OTHER LABORERS                          48

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STATEWIDE                                   LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE         COURSE TITLE            ENROLLMENTS  COMPLETIONS         CENSUS       OCCUPATIONAL TITLE              NEEDED

U.S.O.E. CODE CLUSTER: 171003        HEAVY EQUIPMENT

  171003    HEAVY EQUIPMENT REPAIR                 25          3               690    MACHINE OPER,MISC SPECIF           132

  6250      TRUCK & HEAVY EQUIPMENT OPERAT         66         58

  6350      TRUCK & HEAVY EQUIPMENT OPERAT      1,914        136

  6424      HEAVY CONSTRUCTION EQUIP. MECH         59         38

  171003P   HEAVY EQUIPMENT                       171        160

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U.S.O.E. CODE CLUSTER: 171004        MASONRY

  171004    MASONRY                               704        114               410    BRICKMASONS AND STONEMASONS        364

  171014    TILE SETTER                            19         13               421    CEMENT AND CONCRETE FINISHERS      246

  171024    BRICKLAYING                            11          0               560    TILESETTERS                         52

  171034    BRICKLAYING                            26          0               751    CONSTR LABR, EXC CARPENTRS HEL     320

  6235      MASONRY                                17         16

  6335      MASONRY                               110         66

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U.S.O.E. CODE CLUSTER: 171005        PAINTING & DECORATING

  170710    SIGN PAINTER                           16         10               190    PAINTERS AND SCULPTORS              58

  170720    COMMERC DISPLAY & DECORATIONS         619        235               510    PAINTERS,CONSTRUCTION,MAINT        558

  171005    PAINTER                               324         99               512    PAPERHANGERS                        43

  171015    PAPERHANGER                            10          5               751    CONSTR LABR, EXC CARPENTRS HEL     320

  171025    VEH HOUSE PAINTING                     45          0               780    OTHER LABORERS                      48

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U.S.O.E. CODE CLUSTER: 171006        PLASTERING

  171006    PLASTERER                              27          4               520    PLASTERERS                          28

                                                                               615    DRY WALL INSTALLRS, LATHRS         203

                                                                               751    CONSTR LABR, EXC CARPENTRS HEL     320

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
U.S.O.E. CODE CLUSTER: 171007	PLUMBING AND PIPEFITTING					
171007	PIPEFITTER	954	23	452	INSPECTORS, OTHER	27
171017	PLUMBER	1,142	98	522	PLUMBERS AND PIPEFITTERS	1,316
171037	PIPING TRADES	365	72	550	STRUCTURAL METAL CRAFT	47
6246	PLUMBING	242	46	694	OPERATIVES, NEC	129
6346	PLUMBING	217	43	751	CONSTR LABR, EXC CARPENTRS HEL	320
171007P	PLUMBING AND PIPEFITTING	47	34			
U.S.O.E. CODE CLUSTER: 171009	GLAZING					
171009	GLAZIER	64	23	445	GLAZIERS	39
				780	OTHER LABORERS	48
U.S.O.E. CODE CLUSTER: 171010	ROOFING					
171010	BUILDING TRADES	4,927	1,473	415	CARPENTERS	808
				534	ROOFER AND SLATERS	347
				780	OTHER LABORERS	48
U.S.O.E. CODE CLUSTER: 171099	OTHER CONSTRUCTION & MAINTENANCE GRADES					
171089	CVAE GENERAL CONSTRUCTION	4,828	143	421	CEMENT AND CONCRETE FINISHERS	246
171090	GENERAL CONSTRUCTION	1,071	24	440	FLOOR LAYERS, EXC TILE SETTER	78
171091	CEMENT FINISHER	48	24	443	FURNITURE AND WOOD FINISH	16
171092	FLOOR LAYER	34	16	492	OTHER MECHANICS AND REPAIRMN	31
171093	MAINTENANCE MECHANIC	1,033	518	563	UPHOLSTERERS	120
171096	BUILDING MAINTENANCE	568	31	694	OPERATIVES, NEC	129
171097	BUILDING MAINTENANCE	648	55	751	CONSTR LABR, EXC CARPENTRS HEL	320
171098	FURNITURE REPAIR & UPHOLST	226	5	780	OTHER LABORERS	48
171099	OTHER CONSTRUCTION WORKERS	396	54			

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STATEWIDE                                     LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)
COURSE CODE          COURSE TITLE             ENROLLMENTS  COMPLETIONS        CENSUS       OCCUPATIONAL TITLE             NEEDED
*********************************************************************************************************************************
U.S.O.E. CODE CLUSTER: 171200          DIESEL MECHANIC
  171200     DIESEL MECH                              204          90          481   HEAVY EQUIP MECH,INCL DIESEL          311
  6423       DIESEL MECHANICS                         489         243          610   CHECKRS,EXAMINRS,ETC,MFG               84
  6523       DIESEL MECHANICS                         135          23
  171200P    DIESEL MECHANIC                          457         106
*********************************************************************************************************************************
U.S.O.E. CODE CLUSTER: 171300          DRAFTING OCCUPATIONS
  171300     DRAFTSMAN (ARCHITECTURAL)                284          76          152   DRAFTSMEN                             450
  171310     DRAFTSMAN (MECHANICAL)                   183          79          321   ESTIMATRS,INVESTIGATRS,NEC            144
  171320     DRAFTING                               1,749         579          514   PATTERN AND MODEL MAKRS                 8
  6229       DRAFTING                                 826         184
  6329       DRAFTING                                 181          66
  6337       PATTERN DRAFTING & GRADING               220         220
  8622       DRAFTING & DESIGN TECHNOLOGY           3,691       1,953
  8722       DRAFTING & DESIGN TECHNOLOGY             115          61
  171300P    DRAFTING OCCUPATIONS                   1,662         478
*********************************************************************************************************************************
U.S.O.E. CODE CLUSTER: 171400          ELECTRICAL OCCUPATIONS
  171410     ELECTRICAL TRADES                      1,189         350          430   ELECTRICIANS                          311
  171420     VEH ELECTRICAN'S HELPER                   18           1          486   RAILROAD, CAR SHOP REPAIRMN            38
  171431     GENERAL ELECTRIC REPAIR                   19           0
  171400P    ELECTRICAL OCCUPATIONS                   141         113
*********************************************************************************************************************************
U.S.O.F. CODE CLUSTER: 171401          INDUSTRIAL ELECTRICIAN
  171401     METER REPAIRMAN                           12           8          430   ELECTRICIANS                          311
  171421     ELEC INSTRUMENTS REPAIRMAN                51          32          433   ELECTRIC POWR LINEMN, CABLEMN          54
  continued...
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COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...				480	FARM IMPLEMENT	21
				481	HEAVY EQUIP MECH,INCL DIESEL	311
				482	HOUSEHLD APPLIANCE MECHANICS	65
				485	RADIO, TELEVISION REPAIRMN	55
				486	RAILROAD, CAR SHOP REPAIRMN	38
				492	OTHER MECHANICS AND REPAIRMN	31
				552	TELEPHONE INSTALLRS, REPAIRMN	138
				610	CHECKRS,EXAMINRS,ETC,MFG	84

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U.S.O.E. CODE CLUSTER: 171403 **MOTOR REPAIRMAN**

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171403	ELEC MOTOR REPAIRMAN	64	35	430	ELECTRICIANS	311
171411	ELECTRICAL REPAIRMAN	112	17	433	ELECTRIC POWR LINEMN, CABLEMN	54
171403P	MOTOR REPAIRMAN	20	14	452	INSPECTORS, OTHER	27
				473	AUTO MECHANICS	301
				480	FARM IMPLEMENT	21
				481	HEAVY EQUIP MECH,INCL DIESEL	311
				482	HOUSEHLD APPLIANCE MECHANICS	65
				485	RADIO, TELEVISION REPAIRMN	55
				486	RAILROAD, CAR SHOP REPAIRMN	38
				492	OTHER MECHANICS AND REPAIRMN	31
				552	TELEPHONE INSTALLRS,REPAIRMN	138
				602	ASSEMBLERS	168
				610	CHECKRS,EXAMINRS,ETC,MFG	84
				612	CUTTING OPERATIVES, NEC	113
				644	PAINTERS,MFG ARTICLES	68
				681	WINDING OPERATIVES NEC	53

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
U.S.O.E. CODE CLUSTER: 171500	ELECTRONICS OCCUPATIONS					
171510	VOCATIONAL ELECTRONICS	225	38	602	ASSEMBLERS	168
U.S.O.E. CODE CLUSTER: 171501	COMMUNICATIONS					
171501	FRAMEMAN (TELEPHONE)	47	37	012	ENGINEERS, ELECTRICAL	674
8434	RADIO-TV PRODUCTION TECHNOLOGY	327	45	153	ELECTRICAL, ELECTRONIC TECH	55
171501P	COMMUNICATIONS	63	8	433	ELECTRIC POWR LINEMN, CABLEMN	54
				452	INSPECTORS, OTHER	27
				492	OTHER MECHANICS AND REPAIRMN	31
				552	TELEPHONE INSTALLRS,REPAIRMN	138
				602	ASSEMBLERS	168
				610	CHECKRS,EXAMINRS,ETC,MFG	84
U.S.O.E. CODE CLUSTER: 171502	INDUSTRIAL ELECTRONICS					
171512	INDUSTRIAL ELECTRONICS	674	166	153	ELECTRICAL, ELECTRONIC TECH	55
6231	INDUSTRIAL ELECTRICITY/ELECTRO	791	221	485	RADIO, TELEVISION REPAIRMN	55
6331	INDUSTRIAL ELECTRICITY/ELECTRO	1,370	882	492	OTHER MECHANICS AND REPAIRMN	31
171502P	INDUSTRIAL ELECTRONICS	246	121	602	ASSEMBLERS	168
				610	CHECKRS,EXAMINRS,ETC,MFG	84
U.S.O.E. CODE CLUSTER: 171503	RADIO / TELEVISION					
171503	RADIO REPAIRMAN	72	23	485	RADIO, TELEVISION REPAIRMN	55
171513	RADIO & TELEVISION REPAIR	175	98			
171521	CONTROL ROOM MAN	13	8			
171523	RADIO & TELEVISION REPAIR	1,776	554			
6241	RADIO & TELEVISION REPAIR	1,769	969			
6341	RADIO & TELEVISION REPAIR	264	196			

continued...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
171503P	RADIO / TELEVISION	1,143	595			

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U.S.O.E. CODE CLUSTER: 171599 OTHER ELECTRONICS OCCUPATIONS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171511	MOTION PICTURE PROJECTIONIST	10	3	505	MOTION PICTURE PROJECTIONIST	55

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U.S.O.E. CODE CLUSTER: 171601 DRY CLEANING

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171601	DRY CLEANER	62	40	441	FOREMEN, NEC	173
171611	LAUNDRY SERVICE	1	1	452	INSPECTORS, OTHER	27
				611	CLOTHING IRONERS AND PRESSER	367
				630	LAUNDRY, DRY CLEAN OP,NEC	431

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U.S.O.E. CODE CLUSTER: 171602 LAUNDERING

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171621	VEH LAUNDRY SERVICE	38	5	394	MISC CLERICAL WORKERS,NEC	568
				441	FOREMEN, NEC	173
				611	CLOTHING IRONERS AND PRESSER	367
				630	LAUNDRY, DRY CLEAN OP,NEC	431
				690	MACHINE OPER,MISC SPECIF	132

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U.S.O.E. CODE CLUSTER: 171700 FOREMANSHIP, SUPERVISION, AND MANAGEMENT DEVELOPMENT

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171700	FOREMANSHIP, SUPER, & MGMT	11	0	245	OTHER MGRS,ADMINISTRATORS	636
				441	FOREMEN, NEC	173

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U.S.O.E. CODE CLUSTER: 171900 GRAPHIC ARTS OCCUPATIONS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171900	PRINTING TRADES	846	261	422	COMPOSITORS AND TYPESETTERS	96
6238	PRINTING	792	442	434	ELECTROTYPERS, STEREOTYPERS	10
6338	PRINTING	150	150	485	RADIO, TELEVISION REPAIRMN	55
9425	INSTRUCTIONAL MEDIA	71	41	515	PHOTOENGRAVERS,LITHOGRAPHERS	13

continued...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...				530	PRESSMEN AND PLATE PRINTERS	50
				645	PHOTOGRAPHIC PROCESS WRKRS	85
				694	OPERATIVES, NEC	129

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U.S.O.E. CODE CLUSTER: 171902 PRINTING PRESS OCCUPATION

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171901	PRINTING (LINOTYPE)	27	7	530	PRESSMEN AND PLATE PRINTERS	50
171911	PRINTER	169	118			
171912	PRINTING (LETTERPRESS)	187	58			
171921	PRINTING (LINOTYPE)	20	11			
171922	PRINTING (OFFSET)	284	116			
171902P	PRINTING PRESS OCCUPATIONS	68	50			

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U.S.O.E. CODE CLUSTER: 171903 LITHOGRAPHY, PHOTOGRAPHY & PLATE MAKING

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171903	PHOTOLITHOGRAPHER	68	13	190	PAINTERS AND SCULPTORS	58
				355	OTHER OFFICE MACHINE OPERATR	94
				422	COMPOSITORS AND TYPESETTERS	96
				435	ENGRAVERS, EX PHOTOENGRAVERS	17
				515	PHOTOENGRAVERS,LITHOGRAPHERS	13
				690	MACHINE OPER,MISC SPECIF	132
				694	OPERATIVES, NEC	129

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U.S.O.E. CODE CLUSTER: 171904 PHOTO ENTRAVING

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171904	PHOTOENGRAVER	7	6	191	PHOTOGRAPHERS	47
				394	MISC CLERICAL WORKERS,NEC	568
				435	ENGRAVERS, EX PHOTOENGRAVERS	17
				515	PHOTOENGRAVERS,LITHOGRAPHERS	13
				530	PRESSMEN AND PLATE PRINTERS	50

continued...

STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
				644	PAINTERS,MFG ARTICLES	88
				645	PHOTOGRAPHIC PROCESS WRKRS	65

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U.S.O.E. CODE CLUSTER: 171906 BOOKBINDING

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
171906	BOOKBINDER	24	15	530	PRESSMEN AND PLATE PRINTERS	50
				663	SEWERS AND STITCHERS	845

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U.S.O.E. CODE CLUSTER: 172100 INSTRUMENT MAINTENANCE & REPAIR OCCUPATIONS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
6240	PIANO TUNING	20	5	153	ELECTRICAL, ELECTRONIC TECH	55
				154	INDUSTRIAL ENGINEERING TECH	6
				155	MECHANICAL ENGINEERING TECH	
				162	ENGINEERING,SCIENCE TECH NEC	63
				516	PIANO,ORGAN TUNRS,REPAIRMN	20

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U.S.O.E. CODE CLUSTER: 172101 INSTRUMENTS

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
172100	INSTRUMENTATION	19	1	153	ELECTRICAL, ELECTRONIC TECH	55
172101	INSTRUMENT REPAIRMAN	30	6	154	INDUSTRIAL ENGINEERING TECH	6
172111	OPTICIAN	33	23	155	MECHANICAL ENGINEERING TECH	
172121	MUSICAL INSTRUMENT REPAIRMAN	21	7	162	ENGINEERING,SCIENCE TECH NEC	63
6332	INDUSTRIAL INSTRUMENTS	162	20	492	OTHER MECHANICS AND REPAIRMN	31
8825	LASER-ELECTRO OPTICS	43	32	506	OPTICIANS,LENS GRINDR,POLISHR	57
8925	LASER-ELECTRO OPTICS	66	0			

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U.S.O.E. CODE CLUSTER: 172102 MATCHMAKING & REPAIR

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
172102	WATCHMAKER	5	2	453	JEWELERS AND WATCHMAKERS	45
6230	HOROLOGY	155	86	694	OPERATIVES, NEC	129
6330	HOROLOGY	110	94			

continued...

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
172102P	WATCHMAKING AND REPAIR	39	14			
U.S.O.E. CODE CLUSTER: 172200	MARITIME OCCUPATIONS					
172210	MOTORBOAT MECHANIC	66	42	461	MACHINISTS	146
172230	GENERAL MARINE REPAIR	84	0	492	OTHER MECHANICS AND REPAIRMN	31
U.S.O.E. CODE CLUSTER: 172301	FOUNDRY					
172320	IRONWORKER	350	1	454	JOB AND DIE SETTRS, METAL	7
6233	JEWELRY CRAFT	194	138	503	MOLDERS, METAL	22
6333	JEWELRY CRAFT	186	0	610	CHECKRS,EXAMINRS,ETC,MFG	84
				612	CUTTING OPERATIVES, NEC	113
				621	FILRS,POLISHRS,SANDRS,BUFFRS	19
				622	FURNACEMN, SMELTERMN	85
				651	GRINDING MACHINE OPERATIVES	86
				690	MACHINE OPER,MISC SPECIF	132
				780	OTHER LABORERS	48
U.S.O.E. CODE CLUSTER: 172302	MACHINE SHOP					
172302	MACHINE SHOP	717	182	441	FOREMEN, NEC	173
6234	MACHINE SHOP	1,055	390	452	INSPECTORS, OTHER	27
6334	MACHINE SHOP	611	509	454	JOB AND DIE SETTRS, METAL	7
172302P	MACHINE SHOP	91	55	461	MACHINISTS	146
				492	OTHER MECHANICS AND REPAIRMN	31
				514	PATTERN AND MODEL MAKRS	8
				561	TOOL, DIEMAKERS	43
				602	ASSEMBLERS	168
				621	FILRS,POLISHRS,SANDRS,BUFFRS	19

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STATEWIDE                               LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE        COURSE TITLE          ENROLLMENTS  COMPLETIONS        CENSUS      OCCUPATIONAL TITLE           NEEDED
  continuation...
                                                                          653   OTHER PRECISION MACH OPR          68

                                                                          690   MACHINE OPER,MISC SPECIF         132

                                                                          694   OPERATIVES, NEC                  129

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U.S.O.E. CODE CLUSTER: 172303       MACHINE TOOL OPERATION

  172303    MACHINE TOOL OPERATION            1           1               172   TOOL PROGRAMERS, NUMERICAL

  172313    MACHINE TOOL OPERATION            1           1               461   MACHINISTS                       146

  172322    MACHINIST                       583         265               690   MACHINE OPER,MISC SPECIF         132

  172303P   MACHINE TOOL OPERATION          154         101

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U.S.O.E. CODE CLUSTER: 172304       METAL TRADES

  172304    METAL TRADES                  1,686         507               442   FORGEMN AND HAMMERMN              34

  172330    METAL TRADES                    904          45               454   JOB AND DIE SETTRS, METAL          7

                                                                          533   ROLLRS AND FINISHRS,METAL         16

                                                                          535   SHEET METAL WKRS,TINSMITHS       109

                                                                          550   STRUCTURAL METAL CRAFT            47

                                                                          602   ASSEMBLERS                       168

                                                                          610   CHECKRS,EXAMINRS,ETC,MFG          84

                                                                          652   LATHE, MILLNG MACH OPERATIVE      95

                                                                          656   PUNCH STAMPING PRESS OP           52

                                                                          660   RIVETERS AND FASTENERS             9

                                                                          680   WELDERS AND FLAME CUTTRS         594

                                                                          681   WINDING OPERATIVES NEC            53

                                                                          690   MACHINE OPER,MISC SPECIF         132

                                                                          694   OPERATIVES, NEC                  129

                                                                          780   OTHER LABORERS                    48

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STATEWIDE                                    LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)
COURSE CODE        COURSE TITLE              ENROLLMENTS  COMPLETIONS        CENSUS      OCCUPATIONAL TITLE           NEEDED
U.S.O.E. CODE CLUSTER: 172305          SHEET METAL
  172305    SHEET METAL WORKER                      863          116            454   JOB AND DIE SETTRS, METAL            7
  172315    SHEET METAL LAY-OUT MAN                  36            2            492   OTHER MECHANICS AND REPAIRMN        31
  172325    SHEETMETAL WORKER                        13            0            533   ROLLRS AND FINISHRS,METAL           16
  172305P   SHEET METAL                              17           15            535   SHEET METAL WKRS,TINSMITHS         109
                                                                                550   STRUCTURAL METAL CRAFT              47
                                                                                656   PUNCH STAMPING PRESS OP             52
                                                                                690   MACHINE OPER,MISC SPECIF           132
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U.S.O.E. CODE CLUSTER: 172306          WELDING & CUTTING
  172306    WELDING                               2,287          384            680   WELDERS AND FLAME CUTTRS           594
  172316    WELDER (COMBINATION)                    384          187
  172326    CVAE WELDING                             64           19
  6245      WELDING                               2,987        1,558
  6345      WELDING                               3,117        1,589
  172306P   WELDING AND CUTTING                   3,696        2,437
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U.S.O.E. CODE CLUSTER: 172307          TOOL & DIE MAKING
  172307    TOOL & DIE MAKING                         1            1            403   BLACKSMITHS                         10
                                                                                441   FOREMEN, NEC                       173
                                                                                503   MOLDERS, METAL                      22
                                                                                514   PATTERN AND MODEL MAKRS              8
                                                                                561   TOOL, DIEMAKERS                     43
                                                                                621   FILRS,POLISHRS,SANDRS,BUFFRS        19
                                                                                651   GRINDING MACHINE OPERATIVES         86
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U.S.O.E. CODE CLUSTER: 172309          METAL PATTERNMAKING
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COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
continuation...						
172332	PATTERNMAKER (METAL)	7	2	514	PATTERN AND MODEL MAKRS	8
172342	PATTERNMAKER (WOOD)	6	4			
U.S.O.E. CODE CLUSTER: 172399	OTHER METALWORKING OCCUPATIONS					
172300	JEWELRY REPAIRMAN	29	20	453	JEWELERS AND WATCHMAKERS	45
172310	ORNAMENTAL IRONWORKER	43	26	461	MACHINISTS	146
172312	AUTOMOTIVE MACHINIST	52	32	492	OTHER MECHANICS AND REPAIRMN	31
172397	OTHER METAL WORKERS	11	2	550	STRUCTURAL METAL CRAFT	47
172398	GUNSMITH	6	3	680	WELDERS AND FLAME CUTTRS	594
172399	LOCKSMITH	12	5	690	MACHINE OPER,MISC SPECIF	132
				694	OPERATIVES, NEC	129
				780	OTHER LABORERS	48
U.S.O.E. CODE CLUSTER: 172601	BARBERING					
172601P	BARBERING	1,594	967	935	BARBERS	790
U.S.O.E. CODE CLUSTER: 172602	COSMETOLOGY					
172602	COSMETOLOGY	4,371	1,451	944	HAIRDRESSERS, COSMETOLOGISTS	4,102
172612	CVAE COSMETOLOGY	69	0	945	PERSONAL SERVICE APPREN	
6227	COSMETOLOGY	662	497			
6327	COSMETOLOGY	186	184			
172602P	COSMETOLOGY	7,876	4,175			
U.S.O.E. CODE CLUSTER: 172700	PLASTIC OCCUPATIONS					
172700	PLASTICS (FABRICATOR)	105	57	162	ENGINEERING,SCIENCE TECH NEC	63
172710	VOCATIONAL PLASTICS	86	16	492	OTHER MECHANICS AND REPAIRMN	31
172720	VEH PLASTIC EXTRUSION	3	3	575	CRAFTSMEN,KINDRD WRKRS, NEC	64

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STATEWIDE                                    LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE        COURSE TITLE              ENROLLMENTS  COMPLETIONS       CENSUS       OCCUPATIONAL TITLE                NEEDED
  continuation...
  8432      PLASTICS TECHNOLOGY                        2            2          602   ASSEMBLERS                          168

                                                                               672   SPINNERS, TWISTRS, WINDERS           32

                                                                               690   MACHINE OPER,MISC SPECIF            132

                                                                               694   OPERATIVES, NEC                     129

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U.S.O.E. CODE CLUSTER: 172801        FIREMAN TRAINING

  6821      FIRE PROTECTION TECHNOLOGY             2,277          753          961   FIREMEN, FIRE PROTECTION            234

  6921      FIRE PROTECTION TECHNOLOGY            10,951          461

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U.S.O.E. CODE CLUSTER: 172802        LAW ENFORCEMENT TRAINING

  7021      LAW ENFORCEMENT                        7,031        2,313          962   GUARDS AND WATCHMEN                 451

  7121      LAW ENFORCEMENT                        3,818        2,351          964   POLICEMEN AND DETECTIVES            338

                                                                               965   SHERIFFS AND BAILIFFS                90

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U.S.O.E. CODE CLUSTER: 172899        OTHER PUBLIC SERVICE OCCUPATIONS

  6999      PUBLIC SERVICE OCCUPATIONS, OT           106           26          213   CONSTRUCTION INSPECTOR,PUB           35

  7199      PUBLIC SERVICE OCCUPATIONS, OT         2,523        2,366          452   INSPECTORS, OTHER                    27

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U.S.O.E. CODE CLUSTER: 172900        QUANTITY FOOD OCCUPATIONS

  6228      CULINARY ARTS                             19            0          230   RESTAURANTS,CAFE,BAR MGRS           348

  6328      CULINARY ARTS                             89           89          245   OTHER MGRS,ADMINISTRATORS           636

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U.S.O.E. CODE CLUSTER: 172901        BAKER

  172901    BAKER                                     76           40          402   BAKERS                              212

                                                                               912   COOKS, EXC PRIVATE                  931

                                                                               916   FOOD WRKRS,NEC,EXC PRIVATE          404

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STATEWIDE LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION (1977)

U.S.O.E. CODE CLUSTER: 172902 COOK / CHEF

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
172902	CHEF	572	257	912	COOKS, EXC PRIVATE	931
172912	COMMERCIAL COOKING	126	44	916	FOOD WRKRS,NEC,EXC PRIVATE	404
6226	COOK/CHEF	182	104			
6326	COOK/CHEF	891	848			
172902P	COOKS	19	15			

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U.S.O.E. CODE CLUSTER: 172903 MEAT CUTTER

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
172903	MEAT CUTTER (NON-PROCESSING)	323	185	631	MEAT CUTTRS,BUTCHRS,EXC MFG	235

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U.S.O.E. CODE CLUSTER: 173000 REFRIGERATION

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
173000P	REFRIGERATION	41	31	470	AIR COND, HEATING, REFRIG	125

****

U.S.O.E. CODE CLUSTER: 173100 SMALL ENGINE REPAIR

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
173100	SMALL ENGINE REPAIR	283	69	492	OTHER MECHANICS AND REPAIRMN	31
173110	MOTORCYCLE REPAIRMAN	168	62	610	CHECKRS,EXAMINRS,ETC,MFG	84
173120	VEH SMALL ENGINE REPAIR	73	1			
6255	SMALL ENGINE REPAIR	100	91			
6355	SMALL ENGINE REPAIR	254	116			
173100P	SMALL ENGINE REPAIR	159	90			

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U.S.O.E. CODE CLUSTER: 173200 STATIONARY ENERGY SOURCES ENGINEER

COURSE CODE	COURSE TITLE	ENROLLMENTS	COMPLETIONS	CENSUS	OCCUPATIONAL TITLE	NEEDED
173201	STATIONARY ENGINEER	4	3	492	OTHER MECHANICS AND REPAIRMN	31
173298	INDUSTRIAL ENGINE REPAIR	37	21	585	STATIONARY ENGINEERS	235
173200P	STATIONARY ENERGY SOURCES OCC	34	28			

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U.S.O.E. CODE CLUSTER: 173300 TEXTILE PRODUCTION AND FABRICATION

continued...

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STATEWIDE                                 LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE          COURSE TITLE         ENROLLMENTS  COMPLETIONS        CENSUS      OCCUPATIONAL TITLE            NEEDED
  continuation...
  173311    CVAE TEXTILE FABRICATION             61           6            663    SEWERS AND STITCHERS              845

  173321    NEEDLE TRADES                     1,051         110

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U.S.O.E. CODE CLUSTER: 173302          TAILORING

  173302    TAILOR                               49          15            551    TAILORS                           259

  6254      TAILORING                           393         214            663    SEWERS AND STITCHERS              845

  173302P   TAILORING                           156         115

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U.S.O.E. CODE CLUSTER: 173399          OTHER TEXTILE PRODUCTION AND FABRICATION

  173399    LOOM FIXER                            5           4            483    LOOM FIXERS                         6

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U.S.O.E. CODE CLUSTER: 173400          LEATHERWORKING

  173400    LEATHER WORKER                       40          23            575    CRAFTSMEN,KINDRD WRKRS, NEC        64

  5031      SADDLE AND TACK                      47          20            602    ASSEMBLERS                        168

                                                                           663    SEWERS AND STITCHERS              845

                                                                           690    MACHINE OPER,MISC SPECIF          132

                                                                           694    OPERATIVES, NEC                   129

                                                                           780    OTHER LABORERS                     48

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U.S.O.E. CODE CLUSTER: 173402          SHOE REPAIR

  173402    SHOE REPAIRMAN                       18           8            542    SHOE REPAIRMEN                    108

  173410    LEATHER TRADES (SHOE REPAIR)         89          33

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U.S.O.E. CODE CLUSTER: 173500          UPHOLSTERING

  173500    FURNITURE REPAIRMAN                 279          80            401    AUTO ACCESSORIES INSTALLERS         2

  173510    UPHOLSTERER                          81          36            563    UPHOLSTERERS                      120

  173520    UPHOLSTERY                          179          27            612    CUTTING OPERATIVES, NEC           113
  continued...
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STATEWIDE                                LABOR MARKET SUPPLY/DEMAND REPORT - - - ONE YEAR PROJECTION   (1977)

COURSE CODE        COURSE TITLE          ENROLLMENTS  COMPLETIONS        CENSUS      OCCUPATIONAL TITLE             NEEDED
 continuation...
  6247     UPHOLSTERY                        388          149             694   OPERATIVES, NEC                    129

  6347     UPHOLSTERY                        178          150

  173500P  UPHOLSTERING                      129           95

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U.S.O.E. CODE CLUSTER: 173601       MILLWORK & CABINET MAKING

  173601   CABINETMAKER                      267          120             413   CABINETMAKERS                      189

  173602   MILL & CABINET MAKING             278           61             415   CARPENTERS                         808

  173611   MILL & CABINET MAKING              76           38             443   FURNITURE AND WOOD FINISH           16

                                                                          482   HOUSEHLD APPLIANCE MECHANICS        65

                                                                          602   ASSEMBLERS                         168

                                                                          612   CUTTING OPERATIVES, NEC            113

                                                                          621   FILRS,POLISHRS,SANDRS,BUFFRS        19

                                                                          652   LATHE, MILLNG MACH OPERATIVE        95

                                                                          653   OTHER PRECISION MACH OPR            68

                                                                          660   RIVETERS AND FASTENERS               9

                                                                          662   SAWYERS                            125

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U.S.O.E. CODE CLUSTER: 179900       OTHER TRADE & INDUSTRIAL OCCUPATIONS

  179900   OTHER INDUSTRIAL WORKERS        1,962          419             780   OTHER LABORERS                      48
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APPENDICES

APPENDIX A

APPENDIX B

APPENDIX C

APPENDIX D

APPENDIX E

APPENDIX F

APPENDIX G

APPENDIX H

APPENDIX A

NUMERICAL INDEX TO U. S. OFFICE OF EDUCATION (USOE) CLUSTERS

TEXAS SUPPLY/DEMAND INFORMATION SYSTEM

NUMERICAL INDEX TO U. S. OFFICE OF EDUCATION (USOE) CLUSTERS

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
01.0100	AGRICULTURAL PRODUCTION	1
01.0101	ANIMAL SCIENCE	1
01.0102	PLANT SCIENCE	1
01.0104	FARM BUSINESS MANAGEMENT	2
01.0200	AGRICULTURAL SUPPLIES/SERVICES	2
01.0201	AGRICULTURAL CHEMICALS	2
01.0202	FEEDS	2
01.0203	SEEDS	3
01.0299	OTHER AGRICULTURAL SUPPLIES/SERVICES (SPECIFY)	3
01.0300	AGRICULTURAL MECHANICS	3
01.0301	AGRICULTURAL POWER AND MACHINERY	3
01.0302	AGRICULTURAL STRUCTURES AND CONVENIENCES	4
01.0304	WATER MANAGEMENT	4
01.0305	AGRICULTURAL MECHANICS SKILLS	04
01.0306	AGRICULTURAL CONSTRUCTION AND MAINTENANCE	5
01.0307	AGRICULTURAL ELECTRIFICATION	5
01.0400	AGRICULTURAL PRODUCTS	5
01.0401	FOOD PRODUCTS	5
01.0402	NONFOOD PRODUCTS	6
01.0500	ORNAMENTAL HORTICULTURE	6
01.0504	LANDSCAPING	7
01.0505	NURSERY OPERATION AND MANAGEMENT	7
01.0506	TURF MANAGEMENT	7
01.0600	AGRICULTURAL RESOURCES	7
01.0602	RECREATION	7
01.0603	SOIL	7
01.0604	WILDLIFE	8
01.0607	FISH	8
01.0700	FORESTRY (PRODUCTION, PROCESSING, MANAGEMENT, MARKETING, & SERV.)	08
01.9900	OTHER AGRICULTURE (SPECIFY)	8
04.0000	DISTRIBUTIVE EDUCATION	8
04.0100	ADVERTISING SERVICES	9
04.0200	APPAREL AND ACCESSORIES	9
04.0300	AUTOMOTIVE	9
04.0400	FINANCE AND CREDIT	10
04.0500	FLORISTRY	10

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
04.0600	FOOD DISTRIBUTION	10
04.0700	FOOD SERVICES	11
04.0800	GENERAL MERCHANDISE	11
04.0900	HARDWARE, BUILDING MATERIALS, FARM & GARDEN SUPPLIES & EQUIPMENT	12
04.1000	HOME FURNISHINGS	12
04.1100	HOTEL AND LODGING	13
04.1200	INDUSTRIAL MARKETING	13
04.1300	INSURANCE	13
04.1400	INTERNATIONAL TRADE	13
04.1500	PERSONAL SERVICES	14
04.1600	PETROLEUM	14
04.1700	REAL ESTATE	14
04.1800	RECREATION AND TOURISM	15
04.1900	TRANSPORTATION	15
04.2000	OTHER RETAIL TRADE (SPECIFY)	16
04.3100	OTHER WHOLESALE TRADE (SPECIFY)	16
04.9900	OTHER INSTRUCTIONAL PROGRAMS (SPECIFY)	16
05.0504	RADIO AND TELEVISION	16
07.0101	DENTAL ASSISTING	16
07.0102	DENTAL HYGIENE	17
07.0103	DENTAL LABORATORY TECHNOLOGY	17
07.0200	MEDICAL LABORATORY TECHNOLOGY	17
07.0201	CYTOLOGY	17
07.0202	HISTOLOGY	17
07.0203	MEDICAL LABORATORY ASSISTING	17
07.0213	MEDICAL LABORATORY ASSISTING	17
07.0299	OTHER MEDICAL LABORATORY TECHNOLOGY (SPECIFY)	17
07.0301	NURSING(ASSOCIATE DEGREE) (SEE 16.03050000)	18
07.0302	PRACTICAL NURSING	18
07.0303	NURSING ASSISTANCE	18
07.0304	PSYCHIATRIC AIDE	18
07.0305	SURGICAL TECHNICIAN	18
07.0307	HOME HEALTH AIDE	19
07.0399	OTHER NURSING (SPECIFY)	19
07.0400	REHABILITATION	19
07.0401	OCCUPATIONAL THERAPY	19
07.0402	PHYSICAL THERAPY	19
07.0499	OTHER REHABILITATION (SPECIFY)	19
07.0501	RADIOLOGIC TECHNOLOGY	19
07.0601	OPHTHALMIC DISPENSING	20
07.0603	OPTOMETRIST ASSISTANT	20

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
07.0700	ENVIRONMENTAL HEALTH	20
07.0703	SANITARIAN ASSISTANT	20
07.0800	MENTAL HEALTH TECHNOLOGY	20
07.0900	MISCELLANEOUS HEALTH OCCUPATIONS EDUCATION	20
07.0901	ELECTROENCEPHALOGRAPH TECHNICIAN	21
07.0902	ELECTROCARDIOGRAPH TECHNICIAN	21
07.0903	INHALATION THERAPY	21
07.0904	MEDICAL ASSISTANT	21
07.0905	CENTRAL SUPPLY TECHNICIAN	21
07.0906	COMMUNITY HEALTH AIDE	21
07.0907	MEDICAL EMERGENCY TECHNICIAN	22
07.0909	MORTUARY SCIENCE	22
07.9900	OTHER HEALTH OCCUPATIONS EDUCATION (SPECIFY)	22
09.0100	HOMEMAKING-PREPARATION FOR PERSONAL, HOME, AND FAMILY LIVING	22
09.0201	CARE AND GUIDANCE OF CHILDREN	23
09.0202	CLOTHING MANAGEMENT, PRODUCTION, AND SERVICES	23
09.0203	FOOD MANAGEMENT, PRODUCTION, AND SERVICES	23
09.0204	HOME FURNISHINGS, EQUIPMENT, AND SERVICES	24
09.0205	INSTITUTIONAL AND HOME MANAGEMENT AND SUPPORTING SERVICES	24
09.0299	OTHER OCCUPATIONAL PREPARATION (SPECIFY)	24
14.0100	ACCOUNTING AND COMPUTING OCCUPATIONS	25
14.0101	ACCOUNTANTS	25
14.0102	BOOKKEEPERS	25
14.0103	CASHIERS	25
14.0104	MACHINE OPERATORS	25
14.0200	BUSINESS DATA PROCESSING SYSTEMS OCCUPATIONS	26
14.0201	COMPUTER AND CONSOLE OPERATORS	26
14.0202	PERIPHERAL EQUIPMENT OPERATORS	26
14.0203	PROGRAMMERS	26
14.0300	FILING, OFFICE MACHINES, AND GENERAL OFFICE CLERICAL OCCUPATIONS	26
14.0303	GENERAL OFFICE CLERKS	26
14.0400	INFORMATION COMMUNICATION OCCUPATIONS	27
14.0403	MAIL AND POSTAL CLERKS	27
14.0406	RECEPTIONISTS AND INFORMATION CLERKS	27
14.0499	OTHER INFORMATION COMMUNICATION OCCUPATIONS (SPECIFY)	27
14.0500	MATERIALS SUPPORT OCCUPATIONS: TRANSPORTING, STORING, & RECORDING	28
14.0501	PLANNING AND PRODUCTION CLERKS	28
14.0505	TRAFFIC, RATE, AND TRANSPORTATION CLERKS	28
14.0600	PERSONNEL, TRAINING, AND RELATED OCCUPATIONS	28
14.0700	STENOGRAPHIC, SECRETARIAL, AND RELATED OCCUPATIONS	29
14.0701	EXECUTIVE SECRETARY	29

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
14.0702	SECRETARIES	29
14.0703	STENOGRAPHERS	29
14.0800	SUPERVISORY AND ADMINISTRATIVE MANAGEMENT OCCUPATIONS	29
14.0801	ADMINISTRATIVE ASSISTANTS	30
14.0900	TYPING AND RELATED OCCUPATIONS	30
14.0901	CLERK TYPISTS	30
14.9900	OTHER OFFICE OCCUPATIONS (SPECIFY)	30
16.0101	AERONAUTICAL TECHNOLOGY	31
16.0105	CHEMICAL TECHNOLOGY	
16.0106	CIVIL TECHNOLOGY	31
16.0107	ELECTRICAL TECHNOLOGY	32
16.0108	ELECTRONIC TECHNOLOGY	32
16.0109	ELECTROMECHANICAL TECHNOLOGY	32
16.0110	ENVIRONMENTAL-CONTROL TECHNOLOGY	32
16.0111	INDUSTRIAL TECHNOLOGY	33
16.0112	INSTRUMENTATION TECHNOLOGY	33
16.0113	MECHANICAL TECHNOLOGY	33
16.0115	NUCLEAR TECHNOLOGY	33
16.0116	PETROLEUM TECHNOLOGY	33
16.0117	SCIENTIFIC DATA PROCESSING	34
16.0199	OTHER ENGINEERING-RELATED TECHNOLOGY (SPECIFY)	34
16.0300	HEALTH-RELATED TECHNOLOGY	34
16.0600	MISCELLANEOUS TECHNICAL EDUCATION	34
16.0601	COMMERCIAL PILOT TRAINING	35
16.0602	FIRE AND FIRE SAFETY TECHNOLOGY	35
16.0604	OCEANOGRAPHIC TECHNOLOGY	35
16.0605	POLICE SCIENCE TECHNOLOGY	35
16.0699	OTHER MISCELLANEOUS TECHNICAL EDUCATION (SPECIFY)	35
17.0100	AIR CONDITIONING	35
17.0101	COOLING	36
17.0199	OTHER AIR CONDITIONING (SPECIFY)	36
17.0200	APPLIANCE REPAIR	36
17.0201	ELECTRICAL APPLIANCES	36
17.0300	AUTOMOTIVE SERVICES	36
17.0301	BODY AND FENDER	37
17.0302	MECHANICS	37
17.0303	SPECIALIZATION	37
17.0399	OTHER AUTOMOTIVE SERVICES (SPECIFY)	38
17.0401	AIRCRAFT MAINTENANCE	38
17.0403	GROUND OPERATIONS	38
17.0600	BUSINESS MACHINE MAINTENANCE	38

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
17.0700	COMMERICAL ART OCCUPATIONS	38
17.0701	INTERIOR DECORATING	39
17.0702	WINDOW DISPLAY	39
17.0703	PRODUCT DESIGN	39
17.0900	COMMERCIAL PHOTOGRAPHY OCCUPATIONS	39
17.0901	PHOTOGRAPHIC LABORATORY AND DARKROOM OCCUPATIONS	39
17.1000	CONSTRUCTION AND MAINTENANCE TRADES	40
17.1001	CARPENTRY	40
17.1002	ELECTRICITY	40
17.1003	HEAVY EQUIPMENT	41
17.1004	MASONRY	41
17.1005	PAINTING AND DECORATING	41
17.1006	PLASTERING	41
17.1007	PLUMBING AND PIPEFITTING	42
17.1009	GLAZING	42
17.1010	ROOFING	42
17.1099	OTHER CONSTRUCTION AND MAINTENANCE TRADES (SPECIFY)	42
17.1200	DIESEL MECHANIC	43
17.1300	DRAFTING OCCUPATIONS	43
17.1400	ELECTRICAL OCCUPATIONS	43
17.1401	INDUSTRIAL ELECTRICIAN	43
17.1403	MOTOR REPAIRMAN	44
17.1500	ELECTRONICS OCCUPATIONS	45
17.1501	COMMUNICATIONS	45
17.1502	INDUSTRIAL ELECTRONICS	45
17.1503	RADIO/TELEVISION	45
17.1599	OTHER ELECTRONICS OCCUPATIONS (SPECIFY)	46
17.1601	DRYCLEANING	46
17.1602	LAUNDERING	46
17.1700	FOREMANSHIP,SUPERVISION,AND MANAGEMENT DEVELOPMENT	46
17.1900	GRAPHIC ARTS OCCUPATIONS	46
17.1902	PRINTING PRESS OCCUPATIONS	47
17.1903	LITHOGRAPHY, PHOTOGRAPHY, AND PLATEMAKING	47
17.1904	PHOTOENGRAVING	47
17.1906	BOOKBINDING	48
17.2100	INSTRUMENT MAINTENANCE AND REPAIR OCCUPATIONS	48
17.2101	INSTRUMENTS	48
17.2102	WATCHMAKING AND REPAIR	48
17.2200	MARITIME OCCUPATIONS	49
17.2301	FOUNDRY	49

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
17.2302	MACHINE SHOP	49
17.2303	MACHINE TOOL OPERATION	50
17.2304	METAL TRADES	51
17.2305	SHEET METAL	51
17.2306	WELDING AND CUTTING	51
17.2307	TOOL AND DIE MAKING	51
17.2309	METAL PATTERNMAKING	51
17.2399	OTHER METALWORKING OCCUPATIONS (SPECIFY)	52
17.2601	BARBERING	52
17.2602	COSMETOLOGY	52
17.2700	PLASTICS OCCUPATIONS	52
17.2801	FIREMAN TRAINING	53
17.2802	LAW ENFORCEMENT TRAINING	53
17.2899	OTHER PUBLIC SERVICE OCCUPATIONS (SPECIFY)	53
17.2900	QUANTITY FOOD OCCUPATIONS	53
17.2901	BAKER	53
17.2902	COOK/CHEF	54
17.2903	MEAT CUTTER	54
17.3000	REFRIGERATION	54
17.3100	SMALL ENGINE REPAIR	54
17.3200	STATIONARY ENERGY SOURCES OCCUPATIONS	54
17.3300	TEXTILE PRODUCTION AND FABRICATION	54
17.3302	TAILORING	55
17.3399	OTHER TEXTILE PRODUCTION AND FABRICATION (SPECIFY)	55
17.3400	LEATHERWORKING	55
17.3402	SHOE REPAIR	55
17.3500	UPHOLSTERING	55
17.3601	MILLWORK AND CABINET MAKING	56
17.9900	OTHER TRADE AND INDUSTRIAL OCCUPATIONS (SPECIFY)	56

APPENDIX B

ALPHABETICAL INDEX TO U. S. OFFICE OF EDUCATION (USOE) CLUSTERS

TEXAS SUPPLY/DEMAND INFORMATION SYSTEM

ALPHABETICAL INDEX TO U.S. OFFICE OF EDUCATION (USOE) CLUSTERS

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
14.0101	ACCOUNTANTS	25
14.0100	ACCOUNTING AND COMPUTING OCCUPATIONS	25
14.0801	ADMINISTRATIVE ASSISTANTS	30
04.0100	ADVERTISING SERVICES	9
16.0101	AERONAUTICAL TECHNOLOGY	31
01.0201	AGRICULTURAL CHEMICALS	2
01.0306	AGRICULTURAL CONSTRUCTION AND MAINTENANCE	5
01.0307	AGRICULTURAL ELECTRIFICATION	5
01.0300	AGRICULTURAL MECHANICS	3
01.0305	AGRICULTURAL MECHANICS SKILLS	04
01.0301	AGRICULTURAL POWER AND MACHINERY	3
01.0100	AGRICULTURAL PRODUCTION	1
01.0400	AGRICULTURAL PRODUCTS	5
01.0600	AGRICULTURAL RESOURCES	7
01.0302	AGRICULTURAL STRUCTURES AND CONVENIENCES	4
01.0200	AGRICULTURAL SUPPLIES/SERVICES	2
17.0100	AIR CONDITIONING	35
17.0401	AIRCRAFT MAINTENANCE	38
01.0101	ANIMAL SCIENCE	1
04.0200	APPAREL AND ACCESSORIES	9
17.0200	APPLIANCE REPAIR	36
04.0300	AUTOMOTIVE	9
17.0300	AUTOMOTIVE SERVICES	36
17.2901	BAKER	53
17.2601	BARBERING	52
17.0301	BODY AND FENDER	37
17.1906	BOOKBINDING	48
14.0102	BOOKKEEPERS	25
14.0200	BUSINESS DATA PROCESSING SYSTEMS OCCUPATIONS	26
17.0600	BUSINESS MACHINE MAINTENANCE	38
09.0201	CARE AND GUIDANCE OF CHILDREN	23
17.1001	CARPENTRY	40
14.0103	CASHIERS	25
07.0905	CENTRAL SUPPLY TECHNICIAN	21

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
16.0105	CHEMICAL TECHNOLOGY	31
16.0106	CIVIL TECHNOLOGY	31
14.0901	CLERK TYPISTS	30
09.0202	CLOTHING MANAGEMENT, PRODUCTION, AND SERVICES	23
17.0700	COMMERICAL ART OCCUPATIONS	38
17.0900	COMMERCIAL PHOTOGRAPHY OCCUPATIONS	39
16.0601	COMMERCIAL PILOT TRAINING	35
17.1501	COMMUNICATIONS	45
07.0906	COMMUNITY HEALTH AIDE	21
17.1000	CONSTRUCTION AND MAINTENANCE TRADES	40
14.0201	COMPUTER AND CONSOLE OPERATORS	26
17.2902	COOK/CHEF	54
17.0101	COOLING	36
17.2602	COSMETOLOGY	52
07.0201	CYTOLOGY	17
07.0101	DENTAL ASSISTING	16
07.0102	DENTAL HYGIENE	17
07.0103	DENTAL LABORATORY TECHNOLOGY	17
17.1200	DIESEL MECHANIC	43
04.0000	DISTRIBUTIVE EDUCATION	8
17.1300	DRAFTING OCCUPATIONS	43
17.1601	DRYCLEANING	46
17.0201	ELECTRICAL APPLIANCES	36
17.1400	ELECTRICAL OCCUPATIONS	43
16.0107	ELECTRICAL TECHNOLOGY	32
17.1002	ELECTRICITY	40
07.0902	ELECTROCARDIOGRAPH TECHNICIAN	21
07.0901	ELECTROENCEPHALOGRAPH TECHNICIAN	21
16.0109	ELECTROMECHANICAL TECHNOLOGY	32
16.0108	ELECTRONIC TECHNOLOGY	32
17.1500	ELECTRONICS OCCUPATIONS	45
07.0700	ENVIRONMENTAL HEALTH	20
16.0110	ENVIRONMENTAL-CONTROL TECHNOLOGY	32
14.0701	EXECUTIVE SECRETARY	29
01.0104	FARM BUSINESS MANAGEMENT	2
01.0202	FEEDS	2
14.0300	FILING, OFFICE MACHINES, AND GENERAL OFFICE CLERICAL OCCUPATIONS	26
04.0400	FINANCE AND CREDIT	10
16.0602	FIRE AND FIRE SAFETY TECHNOLOGY	35
17.2801	FIREMAN TRAINING	53

USOE CODE CLUSTER	USOE EDUCATIONAL CLUSTER TITLE	PAGE NO.
01.0607	FISH	8
04.0500	FLORISTRY	10
04.0600	FOOD DISTRIBUTION	10
09.0203	FOOD MANAGEMENT, PRODUCTION, AND SERVICES	23
01.0401	FOOD PRODUCTS	5
04.0700	FOOD SERVICES	11
17.1700	FOREMANSHIP,SUPERVISION,AND MANAGEMENT DEVELOPMENT	46
01.0700	FORESTRY (PRODUCTION, PROCESSING, MANAGEMENT, MARKETING, & SERV.)	08
17.2301	FOUNDRY	49
04.0800	GENERAL MERCHANDISE	11
14.0303	GENERAL OFFICE CLERKS	26
17.1009	GLAZING	42
17.1900	GRAPHIC ARTS OCCUPATIONS	46
17.0403	GROUND OPERATIONS	38
04.0900	HARDWARE, BUILDING MATERIALS, FARM & GARDEN SUPPLIES & EQUIPMENT	12
16.0300	HEALTH-RELATED TECHNOLOGY	34
17.1003	HEAVY EQUIPMENT	41
07.0202	HISTOLOGY	17
04.1000	HOME FURNISHINGS	12
09.0204	HOME FURNISHINGS, EQUIPMENT, AND SERVICES	24
07.0307	HOME HEALTH AIDE	19
09.0100	HOMEMAKING-PREPARATION FOR PERSONAL, HOME, AND FAMILY LIVING	22
04.1100	HOTEL AND LODGING	13
17.1401	INDUSTRIAL ELECTRICIAN	43
17.1502	INDUSTRIAL ELECTRONICS	45
04.1200	INDUSTRIAL MARKETING	13
16.0111	INDUSTRIAL TECHNOLOGY	33
14.0400	INFORMATION COMMUNICATION OCCUPATIONS	27
07.0903	INHALATION THERAPY	21
09.0205	INSTITUTIONAL AND HOME MANAGEMENT AND SUPPORTING SERVICES	24
17.2100	INSTRUMENT MAINTENANCE AND REPAIR OCCUPATIONS	48
16.0112	INSTRUMENTATION TECHNOLOGY	33
17.2101	INSTRUMENTS	48
04.1300	INSURANCE	13
17.0701	INTERIOR DECORATING	39
04.1400	INTERNATIONAL TRADE	13
01.0504	LANDSCAPING	7
17.2802	LAW ENFORCEMENT TRAINING	53
17.3400	LEATHERWORKING	55
17.1903	LITHOGRAPHY, PHOTOGRAPHY, AND PLATEMAKING	47

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14.0104	MACHINE OPERATORS	25
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LINK TO U.S.O.E. CODE
AND RELATED CENSUS OCCUPATION CODES

COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	CENSUS CODES									
010100	010100	203	801	821	822						
010110	010100	203	801	821	822						
010111	010100	203	801	821	822						
010112	010102	245	801	802	821	822					
010120	010100	203	801	821	822						
010121	010101	780	801	802	821	822	824				
010122	010102	245	801	802	821	822					
010130	010100	203	801	821	822						
010131	010101	780	801	802	821	822	824				
010140	010100	203	801	821	822						
010141	010101	780	801	802	821	822	824				
010151	010101	780	801	802	821	822	824				
010161	010101	780	801	802	821	822	824				
010171	010101	780	801	802	821	822	824				
010181	010101	780	801	802	821	822	824				
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010299	010299	024	085	150	215	282	403	694	740	822	824
010310	010301	280	452	480	481	491	492	642	694	821	822
010312	010302	150	801	802	821	822					
010315	010305	150	155	801	802	821	822				

COURSE CODE (V.E.T. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	CENSUS CODES														
010316	010306	801	802	821	822											
010317	010307	150	153	801	802	821	822									
010321	010300	480	705													
010325	010305	150	155	801	802	821	822									
010331	010308	282	480	481	821	822										
010341	010301	280	452	480	481	491	492	642	694	821	822					
010351	010301	480	481	491	492	642	694	821	822							
010361	010301	280	452	480	481	491	492	642	694	821	822					
010371	010301	452	480	481	801	802	821									
010381	010301	280	452	480	481	491	492	642	694	821	822					
010391	010301	280	452	480	481	491	492	642	694	821	822					
010401	010401	203	215	225	245	441	501	610	624	625	633	690	694	740	821	822
010402	010402	203	282	452	624	822										
010411	010401	203	215	225	245	441	501	610	624	625	633	690	694	740	821	822
010421	010401	203	215	225	245	441	501	610	624	625	633	690	694	740	821	822
010431	010401	203	215	225	245	441	501	610	624	625	633	690	694	740	821	822
010441	010401	203	215	225	245	441	501	610	624	625	633	690	694	740	821	822
010451	010402	203	282	452	624	822										
010461	010402	203	282	452	624	822										
010471	010401	203	215	225	245	441	501	610	624	625	633	690	694	740	821	822
010481	010401	203	215	225	245	441	501	610	624	625	633	690	694	740	821	822
010491	010401	203	215	225	245	441	501	610	624	625	633	690	694	740	821	822
010500	010500	245	755													
010510	010505	755	740	801	822											
010513	010500	755														
010514	010504	755														
010515	010500	755														
010516	010506	245	755													

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COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - - - - CENSUS CODES - - - - - - - - - -
010520	010500	755
010524	010504	755
010530	010500	755
010534	010506	254 755
010600	010600	163 222
010612	010602	025 775 932
010613	010603	042
010614	010604	740 752
010617	010607	025 752 780
010624	010604	740 752
010700	010700	025 761
010710	010700	025 761
010714	010700	025 761
010724	010700	662 761
011101	010100	801 802 821 822
011299	010200	403
012299	010200	780
013299	010101	180 780 801 802 821 822 824
019900	019900	740 822
040000	040000	260 262 264 280 314
040100	040100	091 184 190 192 225 245 260 262 282 285 314 333 425 441 602
040200	040200	245 280 282 283 321 762
040300	040300	154 205 260 280 282 284 473 711
040400	040400	202 203 271 285 301 321 375 394
040500	040500	183 282 283
040600	040600	203 205 230 231 245 264 282 283 284 310 374 381 401 705 753 762
040700	040700	230 264 282 285 310 705 915 933 950
040800	040800	205 231 245 261 262 280 283 310 313 321 394 705

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     COURSE CODE (V.F.T. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES
                                                                   -CENSUS CODES- - - - - - - - - - - - - - - - - - - - -
COURSE CODE     USOE CODE     - - - - - - - - - - - - - - - -
  040900          040900      245  280  282  283  441
  041000          041000      205  245  262  280  282  283  284  285  321  452
  041100          041100      216  245  285  314  932  933  934  940
  041200          041200      231  245  280  281  282  283  285
  041300          041300      215  245  265  321  326
  041400          041400      245
  041500          041500      191  211  231  245  314  321  935
  041600          041600      222  245  282  315  452  623
  041700          041700      091  214  245  270  285  363  394
  041800          041800      101  191  223  245  280  282  283  310  364  390  932
  041900          041900      023  056  245  280  282  285  310  312  323  390  441  714  753  915  931  933  934
  042000          042000      264  280  381
  043100          043100      245  280  282
  049900          049900      225  285  394
  050504          050504      193
  070101          070101      921
  070103          070103      476
  070201          070201      044
  070202          070202      044
  070203          070203      080  173
  070213          070213      080
  070299          070299      364  394
  070302          070302      924  926
  070303          070303      925  926
  070304          070399      925
  070305          070305      085
  070307          070307      922
  070402          070402      922
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COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - - - - - - - - - - - - - -CENSUS CODES- - - - - - - - - - - - - - -			
070411	070401	922			
070413	070499	085	925		
070501	070501	083			
070511	070501	083			
070603	070603	085			
070701	070700	922			
070703	070703	215			
070802	070800	925			
070811	070800	922			
070900	070900	085			
070902	070902	085			
070904	070904	925			
070905	070905	925			
070906	070906	085			
070911	079900	925			
070912	079900	082			
070913	079900	922			
070914	079900	085			
070915	079900	922			
070916	079900	085			
079900	079900	925			
090102	090100	000			
090104	090100	000			
090106	090100	000			
090111	090100	000			
090131	090100	000			
090199	090100	000			
090211	090201	780	822	942	980

LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - -CENSUS	CODES- - - - -	- - - - - - - -	- - - - - - - -
090212	090202	610	613	933	983	984		
090213	090203	150	230	262	912	916	950	981
090214	090204	245	262	571	663	671		
090215	090205	100	901	902	942	950	982	984
090221	090201	780	822	942	980			
090222	090202	610	613	933	983	984		
090223	090203	150	230	262	912	916	950	981
090224	090204	245	262	571	663	671		
090231	090203	150	230	242	912	916	950	981
090232	090202	610	613	933	983	984		
090235	090205	100	901	902	942	950	982	984
090242	090202	610	613	933	983	984		
090243	090203	150	230	262	912	916	950	981
090244	090204	245	262	571	663	671		
090245	090205	100	901	902	942	950	982	984
090252	090202	610	613	933	983	984		
090253	090203	150	230	262	912	916	950	981
090254	090204	245	262	571	663	671		
090255	090205	100	901	902	942	950	982	984
090262	090202	610	613	933	983	984		
090272	090202	610	613	933	983	984		
090282	090202	610	613	933	983	984		
090292	090202	610	613	933	983	984		
090299	090299	000						
091299	090299	954	976					
092299	090299	954						
093299	090299	425						
098299	090299	933						

COURSE CODE (V.P.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - CENSUS CODES - - - -
095299	090299	382 942
096299	090299	954 976
097299	090299	954 976
140100	140100	222 321 375
140101	140101	001
140102	140102	305
140103	140103	310
140104	140104	341 342 344 350 355
140200	140200	245 312
140202	140202	345
140300	140300	325 333 355
140400	140400	332 333
140406	140406	364
140500	140500	323 374 375 381 610 624 753 762 770
140600	140600	311 320 360 382 394
140700	140700	370 371 372 376 391
140701	140701	372
140800	140800	220 231 233 245 303 305 310 313
140900	140900	391
149900	149900	184 215 222 245 311 312 313 314 320 321 326 334 362 364 374 375 394 705
160106	160106	152 162 605
160110	160110	470
160118	160108	153 162 171 475 492
160128	160108	153 162 171 475 492
160602	160602	961
160605	160605	962 963 964 965
170100	170101	470 610
170111	170101	470 610

COURSE CODE	USOE CODE	CENSUS CODES					
170121	170101	470	610				
170200	170201	482	780				
170201	170201	482	780				
170210	170201	482	780				
170211	170201	482	780				
170301	170301	452	472	473	644		
170302	170302	473					
170310	170302	473					
170312	170301	452	472	473	644		
170320	170302	473					
170330	170302	623					
170332	170302	473					
170333	170303	401	445	473	492		
170342	170301	452	472	473	644		
170352	170302	473					
170397	170399	280					
170398	170399	281					
170401	170401	411					
170411	170401	471	694				
170600	170600	441	484				
170610	170600	441	484				
170700	170700	183	190	543			
170701	170701	510					
170702	170702	425					
170703	170703	183	190	514			
170710	171005	190	510	511	512	751	780
170720	171005	190	510	511	512	751	780
170730	170700	183	190	543			

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COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - - - - - - - - - - - - -CENSUS CODES- - - - - - - - - - - - - - -
170900	170900	191 645
170910	170901	162 190 191 394 441 515 641 645 690 694
171001	171001	415 416 441 452 750
171002	171002	153 430 452 482 780
171003	171003	690 692
171004	171004	410 421 560 751
171005	171005	190 510 511 512 751 780
171006	171006	520 615 751
171007	171007	452 522 550 694 751
171009	171009	445 780
171010	171010	415 534 571 780
171012	171002	153 430 452 482 780
171014	171004	410 421 560 751
171015	171005	190 510 511 512 751 780
171017	171007	452 522 550 694 751
171024	171004	410 421 560 751
171025	171005	190 510 511 512 751 780
171034	171004	410 421 560 751
171037	171007	452 522 550 694 751
171089	171099	751
171090	171099	751
171091	171099	421
171092	171099	440
171093	171099	492 495
171096	171099	492 495
171097	171099	492 604 751 780
171098	171099	443 563
171099	171099	751 780

COURSE CODE	USOE CODE	CENSUS CODES									
171200	171200	481	610								
171300	171300	152	321								
171310	171300	152	321								
171320	171300	152	321								
171401	171401	430	433	480	481	482	485	486	492	552	610
171403	171403	430	433	452	473	492	602	610	612	644	681
171410	171400	430	486								
171411	171403	430	433	480	481	482	485	486	492	552	610
171420	171400	430	486								
171421	171401	430	433	480	481	482	485	486	492	552	610
171431	171400	430	486								
171501	171501	012	153	433	452	492	552	562	602	610	
171503	171503	485									
171510	171500	602									
171511	171599	505									
1[illegible]512	171502	153	485	492	602	610					
171513	171503	485									
171521	171503	485									
171523	171503	485									
171601	171601	441	452	611	630						
171611	171601	401	452	611	630						
171621	171602	394	441	611	630	690					
171700	171700	245	441								
171900	171900	530	645								
171901	171902	530									
171903	171903	190	355	422	423	435	515	690	694		
171904	171904	191	394	423	435	515	530	531	644	645	
171906	171906	530	663								

COURSE CODE (V.F.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - -CENSUS CODES- - - - - - - -															
171911	171902	530															
171912	171902	530															
171921	171902	530															
171922	171902	530															
171932	171902	530															
172100	172101	153	154	155	162												
172101	172101	153	154	155	162												
172102	172102	453	694														
172111	172101	506															
172121	172101	492															
172210	172200	461	462	492													
172220	172200	461	462	492													
172230	172200	461	462	492													
172300	172399	453															
172302	172302	441	452	454	461	462	492	514	561	562	571	602	621	653	690	694	
172303	172303	172															
172304	172304	442	454	533	535	550	602	610	652	656	660	680	681	690	692	694	780
172305	172305	454	492	533	535	536	550	656	690								
172306	172306	680															
172307	172307	403	441	503	514	561	562	621	651								
172310	172399	550	680														
172312	172399	461															
172313	172303	690															
172315	172305	535	536														
172316	172306	680															
172320	172301	454	503	504	610	612	621	622	651	690	695	780					
172322	172303	461	462														
172325	172305	535	536														

COURSE CODE	USOF CODE	- - - - - - - - - - - - - - - - - - - -CENSUS CODES- - - - - - - - - - - - - -							
172326	172306	680							
172330	172304	690	692	694	780				
172332	172309	514							
172342	172309	514							
172397	172399	690	692	694	780				
172398	172399	492							
172399	172399	492							
172601	172601	935							
172602	172602	944	945						
172612	172602	944	945						
172700	172700	162	492	575	602	672	690	694	
172710	172700	162	492	575	602	672	690	694	
172720	172700	162	492	575	602	672	690	694	
172901	172901	402	912	916					
172902	172902	912	916						
172903	172903	631							
172912	172902	912	916						
173000	173000	470							
173100	173100	492	610						
173110	173100	492	610						
173120	173100	492	610						
173201	173200	545							
173298	173200	492	495						
173302	173302	551	663						
173311	173300	663							
173321	173300	663							
173399	173399	483							
173400	173400	575	602	663	690	692	694	695	780

COURSE CODE (V.P.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	CENSUS CODES															
173402	173402	542															
173410	173402	542															
173500	173500	401	563	571	612	694											
173510	173500	401	563	571	612	694											
173520	173500	401	563	571	612	694											
173601	173601	413	415	443	482	602	612	621	652	653	660	662					
173602	173601	413	415	443	482	602	612	621	652	653	660	662					
173611	173601	413	415	443	482	602	612	621	652	653	660	662					
179900	179900	605	780														
5021	010200	024	150	245	802	822	824										
5022	010201	025	441	821	822												
5023	010200	025	441	821	822												
5024	010301	452	480	481	491	492	642	694	821	822							
5025	010104	801	802														
5026	010500	755															
5028	010401	203	215	225	245	441	501	610	624	625	633	634	690	694	740	821	822
5029	010203	150															
5031	173400	575	602	663	690	692	694	695	780								
5121	010200	024	150	245	802	822	824										
5126	010500	755															
5130	010400	245	690														
5199	019900	740	822														
5221	090202	610	613	933	983	984											
5222	090201	780	822	942	980												
5223	090203	230	912	916	950	981											
5224	090202	610	613	933	983	984											
5225	090204	245	262	663	671												
5321	090202	613															

COURSE CODE (V.P.T. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	CENSUS CODES															
5322	090201	942	980														
5323	090203	230	912	916	950	981											
5325	090204	245	262	663	671												
5399	090299	000															
5422	041900	245	323	390	441	753											
5423	041700	091	216	245	270	285	363	394									
5424	041100	216	245	285	314	932	933	934	940								
5425	041100	216	245	285	314	932	933	934	940								
5521	040400	202	203	271	285	301	313	321	375	394							
5522	041900	023	056	245	282	285	310	312	323	390	441	714	753	915	931	933	934
5523.	041700	091	216	245	270	285	363	394									
5524	041100	216	245	285	314	932	933	934	940								
5525	041100	216	245	285	314	932	933	934	940								
5526	040100	091	184	192	225	245	260	262	282	285	314	333	425	441	602		
5599	049900	225	285	394													
5621	041200	231	245	281	282	283	285										
5622	041900	023	056	245	282	285	310	312	323	390	441	714	753	915	931	933	934
5623	040200	245	282	283	321	762	962										
5624	040700	230	264	282	285	310	705	915	933	950							
5626	040400	202	203	271	285	301	321	375	394								
5627	140501	323	375	394													
5629	041400	245															
5721	041200	231	245	281	282	283	285										
5723	040200	245	282	283	321	762	962										
5724	040700	230	264	282	285	310	705	915	933	950							
5726	040400	202	203	271	285	301	321	375	394								
5727	140501	323	375	394													
5729	041400	245															

COURSE CODE (V.P.I. OR MODIFIED HPGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- -CENSUS CODES- -
5799	049900	225 285 394
5821	140100	303 305 310 312 360
5822	140800	220 231 233 245 303 305 310 313
5823	140303	303 305 313 315 321 323 360 374 390 394
5824	140700	245 372 376
5825	140702	370 371
5826	140505	374 394
5827	140702	371
5828	140801	245
5829	140703	184 376
5921	140100	303 305 310 312 360
5922	140800	220 231 233 245 303 305 310 313
5923	140303	303 305 313 315 321 323 360 374 390 394
5924	140700	245 372 376
5925	140702	370 371
5926	140505	374 394
5927	140702	371
5929	140703	184 376
5999	149900	394
6021	140203	003
6022	140201	343
6121	140203	003
6122	140201	343
6199	149900	184 215 222 245 311 312 313 314 320 321 326 334 362 364 374 375 394 705
6222	160600	085 162 173
6223	170200	482 780
6224	170700	183 190 543
6225	171000	415 452

COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - - - - - - - - - - - - -CENSUS CODES- - - - - - - - - - - - - - -											
6226	172902	912	916										
6227	172602	944	945										
6228	172900	230	245										
6229	171300	152	321										
6230	172102	453	694										
6231	171502	153	485	492	602	610							
6233	172301	454	503	610	612	621	622	651	690				
6234	172302	441	452	454	461	492	514	561	602	621	653	690	694
6235	171004	410	421	751									
6236	170909	165	211										
6238	171900	422	434	515	530	694							
6239	170900	191											
6240	172100	153	154	155	162	516							
6241	171503	485											
6243	170200	482	780										
6245	172306	680											
6246	171007	452	522	550	694	751							
6247	173500	401	563	612	694								
6250	171003	690	692										
6252	040500	183	282	283									
6254	173302	551	663										
6255	173100	492	610										
6322	160600	085	162	173									
6323	170200	482	780										
6324	170700	183	190	543									
6325	171000	415	452										
6326	172902	912	916										
6327	172602	944	945										

COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - - - - - - - - - - - - - -CENSUS CODES- - - - - - - - - - - - - - - -											
6328	172900	230	245										
6329	171300	152	321										
6330	172102	453	694										
6331	171502	153	485	492	602	610							
6332	172101	154	162										
6333	172301	454	503	610	612	621	622	651	690				
6334	172302	441	452	454	461	492	514	561	602	621	653	690	694
6335	171004	410	421	751									
6337	171300	152	514										
6338	171900	422	434	515	530	694							
6339	170900	191											
6341	171503	485											
6344	160106	152	162	605									
6345	172306	680											
6346	171007	452	522	550	694	751							
6347	173500	401	563	612	694								
6350	171003	690	692										
6352	040500	183	282	283									
6354	173302	551	663										
6355	173100	492	610										
6399	179900	695	780										
6421	170301	452	472	473	644								
6422	170302	473											
6423	171200	481	610										
6424	171003	690	692										
6425	040300	154	245	260	282	284	473	711					
6521	170301	452	472	473	644								
6522	170302	473											

COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - - - - - - - - - - - -CENSUS CODES- - - - - - - - - - - - - - -			
6523	171200	481	610		
6526	170300	215	472	473	
6599	170399	000			
6621	170401	471	694		
6721	170401	471	694		
6799	170401	471	694		
6821	172801	961			
6921	172801	961			
6999	172899	452	976		
7021	172802	962	964	965	
7022	160605	962	963	964	965
7121	172802	962	964	965	
7199	172899	213			
7221	170100	470	610		
7321	170100	470	610		
7399	170199	470	492		
7421	140400	332	333		
7521	140400	332	333		
7599	140499	394			
7622	160106	152	162	605	
7623	160113	155	162	172	492
7721	160111	154	602	610	
7722	160106	152	162	605	
7723	160113	155	162	172	492
7799	160699	162	173		
7821	070302	924	926		
7822	070303	925			
7823	070304	925			

COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- -CENSUS CODES- - - - - - - - - - - - - - - - -		
7824	079900	923		
7921	070302	924	926	
7922	070303	925		
7923	070304	925		
7924	079900	923		
7999	079900	923		
8021	070301	075		
8023	070101	921		
8024	070103	426		
8025	070903	076	084	
8026	070904	923	925	926
8027	070203	080	173	
8028	070200	080		
8029	070800	085		
8030	070401	922		
8031	070305	085		
8032	070402	084	922	
8033	070501	083		
8034	070102	081		
8035	070400	084	085	925
8036	070700	085		
8037	070601	506		
8039	070901	083	085	
8121	070301	075		
8125	070903	076	084	
8126	070904	923	925	926
8129	070800	085		
8130	070401	922		

COURSE CODE (V.E.I. OR MODIFIED MFGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	- - - - - - - - - - - - - - - - - - - -CENSUS CODES- - - - - - - - - - - - - - - - -							
8131	070305	085							
8134	070102	081							
8140	070907	922	925						
8199	079900	085							
8221	070900	212							
8222	070900	212							
8321	070900	212							
8322	070900	212							
8399	079900	085	922	926					
8421	160300	080	085						
8422	171000	415	452	751					
8423	160105	151	162	620	690				
8424	160106	152	162	605					
8425	160106	152	162	605					
8426	160112	153	156	162					
8427	160113	155	162	172	492				
8428	160604	150	162						
8429	160116	162	614	640	690				
8430	160116	162	614	640	690				
8431	160116	162	614	640	690				
8432	172700	162	492	575	602	672	690	694	
8434	171501	012	153	433	452	492	552	602	610
8435	160106	152	162	605					
8437	160113	154	323	610					
8438	160113	155	162	172	470	492			
8440	160115	162							
8441	160199	162							
8523	160105	151	162	620	690				

COURSE CODE (V.F.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES

COURSE CODE	USOE CODE	CENSUS CODES				
8525	160106	152	162	605		
8526	160112	153	156	162		
8528	160604	150	162			
8529	160116	162	614	640	690	
8531	160116	162	614	640	690	
8536	160106	152	162	605		
8537	160113	154	323	610		
8599	160699	162	173			
8622	171300	152				
8623	170700	183	190	543		
8722	171300	152				
8799	160699	162	173			
8821	160109	153	482	492	525	
8822	160107	153	525			
8823	160107	153	525			
8824	160108	153	162	171	475	492
8825	172101	153	154	155	162	
8826	160101	162	471			
8922	160107	153	525			
8923	160107	153	525	171	475	492
8924	160108	153	162			
8925	172101	153	154	155	162	
8999	160199	153	154	155	156	162
9021	160117	003				
9121	160117	003				
9221	160601	163				
9321	160601	163				
9399	160699	151	155	162	173	

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     COURSE CODE (V.E.I. OR MODIFIED HEGIS) LINK TO U.S.O.E. CODE AND RELATED CENSUS OCCUPATION CODES
COURSE CODE    USOE CODE     - - - - - - - - - - - - - - - - - - - - -CENSUS CODES- - - - - - - - - - - - - - - -
  9421           160600      162  173
  9423           160600      382
  9424           160400      330  332  333
  9425           171900      485
  9495           171900      423
  9521           160600      382
  9522           160600      125  165
  9523           160600      382
  9599           160699      162  173
  9621           041800      101  223  245  282  283  310  364  390  932
  9622           041500      231  245  321  935
  9623           070906      085
  9624           160403      224  331  332  361
  9723           070906      085
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APPENDIX E

TECHNIQUE USED FOR ALLOCATION OF DEMAND

TECHNIQUE USED FOR ALLOCATION OF DEMAND

Census Code	Census Titles	USOE Code	Demand
001	ACCOUNTANTS	140101	2,177
		140101	2,177
003	COMPUTER PROGRAMERS	140203	522
		140203	261
		160117	261
012	ENGINEERS, ELECTRICAL	171501	674
		171501	674
023	ENGINEERS, OTHER	041900	375
		041900	375
024	FARM MANAGEMENT ADVISORS	010200	4
		010200	2
		010299	2
025	FORESTERS,CONSERVATIONISTS	010200	51
		010200	10
		010201	10
		010602	10
		010607	10
		010700	10
042	AGRICULTURAL SCIENTISTS	010603	13
		010603	13
044	BIOLOGICAL SCIENTISTS	070201	60
		070201	30
		070202	30
056	PERSONNEL LABR RELATIONS	041900	1,672
		041900	1,672
075	REGISTERED NURSES	070301	3,296
		070301	3,296
076	THERAPISTS	070903	544
		070903	544
080	CLINICAL LAB TECHNOL, TECH	070200	870
		070200	217
		070203	217
		070213	217
		160300	217
081	DENTAL HYGIENISTS	070102	101
		070102	101
082	HEALTH RECORD TECHNOL,TECH	079900	130
		079900	130
083	RADIOLOGIC TECHNOL, TECH	070501	297
		070501	148
		070901	148
084	THERAPY ASSISTANTS	070400	39
		070400	13
		070402	13
		070903	13
085	OTHER HEALTH TECHNOL, TECH	010299	318
		010299	22
		070305	22
		070400	22
		070499	22
		070603	22
		070700	22
		070800	22
		070900	22
		070901	22
		070902	22
		070906	22
		079900	22
		160300	22
		160600	22
091	ECONOMISTS	040100	203

100	SOCIAL WORKERS	090205	519
		090205	519
101	RECREATION WORKERS	041800	246
		041800	246
125	EDUCATION TEACHERS	160600	9
		160600	9
145	TEACHERS NEC, EXC COLL, UNIV	160600	931
		160600	931
150	AGRI,BIOLOG TECH EXC HEALTH	010200	71
		010200	8
		010203	8
		010299	8
		010302	8
		010305	8
		010307	8
		090203	8
		160604	8
151	CHEMICAL TECHNICIANS	160105	159
		160105	79
		160699	79
152	DRAFTSMEN	160106	901
		160106	450
		171300	450
153	ELECTRICAL, ELECTRONIC TECH	010307	613
		010307	55
		160107	55
		160108	55
		160109	55
		160112	55
		160199	55
		171002	55
		171501	55
		171502	55
		172100	55
		172101	55
154	INDUSTRIAL ENGINEERING TECH	040300	37
		040300	6
		160111	6
		160113	6
		160199	6
		172100	6
		172101	6
155	MECHANICAL ENGINEERING TECH	010305	2
		010305	
		160113	
		160199	
		160699	
		172100	
		172101	
156	MATHEMATICAL TECHN	160112	
		160112	
		160199	
162	ENGINEERING,SCIENCE TECH NEC	160101	1,016
		160101	63
		160105	63
		160106	63
		160108	63
		160112	63
		160113	63
		160115	63
		160116	63
		160199	63
		160600	63
		160604	63
		160699	63

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                                          170901         63
                                          172100         63
                                          172101         63
                                          172700         63
163  AIRPLANE PILOTS                      010600        244
                                          010600        122
                                          160601        122
165  EMBALMERS                            070909         26
                                          070909         26
171  RADIO OPERATORS                      160107        136
                                          160107         68
                                          160108         68
172  TOOL PROGRAMERS, NUMERICAL           160113          1
                                          160113
                                          172303
173  OTHER TECHNICIANS EXC HEALTH         070203        263
                                          070203         87
                                          160600         87
                                          160699         87
180  ATHLETES AND KINDRED WORKERS         010101        185
                                          010101        185
183  DESIGNERS                            040500        355
                                          040500        118
                                          170700        118
                                          170703        118
184  EDITORS AND REPORTERS                040100        452
                                          040100        150
                                          140703        150
                                          149900        150
190  PAINTERS AND SCULPTORS               040100        350
                                          040100         58
                                          170700         58
                                          170703         58
                                          170901         58
                                          171005         58
                                          171903         58
191  PHOTOGRAPHERS                        041500        237
                                          041500         47
                                          041800         47
                                          170900         47
                                          170901         47
                                          171904         47
192  PUBLIC RELATIONS MAN, WRITER         040100        341
                                          040100        341
193  RADIO, TV ANNOUNCERS                 050504         40
                                          050504         40
202  BANK, FINANCIAL MANAGERS             040400      1,624
                                          040400      1,624
203  BUYERS,SHIPPERS,FARM PROD            010100        100
                                          010100         20
                                          010401         20
                                          010402         20
                                          040400         20
                                          040600         20
205  BUYERS,WHOLESALE,RETAIL              040600        726
                                          040600        242
                                          040800        242
                                          041000        242
211  FUNERAL DIRECTORS                    041500        185
                                          041500         92
                                          070909         92
212  HEALTH ADMINISTRATORS                070900        558
                                          070900        558
213  CONSTRUCTION INSPECTOR,PUB           172899         35
                                          172899         35
215  INSPECTOR,EXC CONSTRUCT PUB          010299        328
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		010401	54
		041300	54
		070703	54
		149900	54
		170300	54
216	MGRS,SUPERINTENDANTS,BLDG	041100	1,229
		041100	614
		041700	614
220	OFFICE MANAGERS, NEC	140800	1,530
		140800	1,530
222	OFF'LS,ADMINISTRATORS, PUB	010600	486
		010600	121
		041600	121
		140100	121
		149900	121
223	OFF'LS OF LODGES,UNIONS	041800	158
		041800	158
224	POSTMASTERS AND MAIL SUPER	140403	46
		140403	46
225	PURCHASING AGENTS, BUYERS,NEC	010401	571
		010401	190
		040100	190
		049900	190
230	RESTAURANTS,CAFE,BAR MGRS	040600	1,393
		040600	348
		040700	348
		090203	348
		172900	348
231	SALES MANAGER, RETAIL TRADE	040600	1,181
		040600	236
		040800	236
		041200	236
		041500	236
		140800	236
233	SALES MANAGER, EXC RET.TRADE	140800	910
		140800	910
245	OTHER MGRS,ADMINISTRATORS	010102	19,735
		010102	636
		010200	636
		010400	636
		010401	636
		010500	636
		010506	636
		040100	636
		040200	636
		040300	636
		040600	636
		040800	636
		040900	636
		041000	636
		041100	636
		041200	636
		041300	636
		041400	636
		041500	636
		041600	636
		041700	636
		041800	636
		041900	636
		043100	636
		090204	636
		140200	636
		140700	636
		140800	636
		140801	636

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                                                   636
                                         171700    636
                                         172900    636
260  ADVERTISING AGENTS,SALESMEN         040000    246
                                         040000     82
                                         040100     82
                                         040300     82
261  AUCTIONEERS                         040800      8
                                         040800      8
262  DEMONSTRATORS                       040000    238
                                         040000     39
                                         040100     39
                                         040800     39
                                         041000     39
                                         090203     39
                                         090204     39
264  HUCKSTERS AND PEDDLERS              040000  1,352
                                         040000    338
                                         040600    338
                                         040700    338
                                         042000    338
265  INSURANCE AGENTS, BROKERS,ETC       041300  1,749
                                         041300  1,749
270  REAL ESTATE AGENTS, BROKERS         041700  2,171
                                         041700  2,171
271  STOCK AND BOND SALESMEN             040400    125
                                         040400    125
281  SALES REPRES, MFG                   041200  1,002
                                         041200    501
                                         170399    501
282  SALES REPRES, WHOLESALE TRADE       010202  2,657
                                         010202    156
                                         010299    156
                                         010304    156
                                         010402    156
                                         040100    156
                                         040200    156
                                         040300    156
                                         040500    156
                                         040600    156
                                         040700    156
                                         040900    156
                                         041000    156
                                         041200    156
                                         041600    156
                                         041800    156
                                         041900    156
                                         043100    156
283  SALES CLERKS RETAIL TRADE           040200 10,739
                                         040200  1,342
                                         040500  1,342
                                         040600  1,342
                                         040800  1,342
                                         040900  1,342
                                         041000  1,342
                                         041200  1,342
                                         041800  1,342
284  SALESMEN, RETAIL TRADE              040300  1,733
                                         040300    577
                                         040600    577
                                         041000    577
285  SALESMEN, SERV AND CONSTR           040100    859
                                         040100     95
                                         040400     95
                                         040700     95
                                         041000     95
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                                              041200        95
                                              041700        95
                                              041900        45
                                              049900        95
301  BANK TELLERS                             040400     1,256
                                              040400     1,256
303  BILLING CLERKS                           140100       763
                                              140100       254
                                              140303       254
                                              140800       254
305  BOOKKEEPERS                              140100     7,296
                                              140100     1,824
                                              140102     1,824
                                              140303     1,824
                                              140800     1,824
310  CASHIERS                                 040600     5,910
                                              040600       738
                                              040700       738
                                              040800       738
                                              041800       738
                                              041900       738
                                              140100       738
                                              140103       738
                                              140800       738
311  CLERICAL ASSIST,SOC WELFARE              140600         4
                                              140600         2
                                              149900         2
312  CLERICAL SUPERVISORS, NEC                041900       466
                                              041900       116
                                              140100       116
                                              140200       116
                                              149900       116
313  COLLECTORS, BILL AND ACCOUNT             040400       434
                                              040400        86
                                              040800        86
                                              140303        86
                                              140800        86
                                              149900        86
314  COUNTER CLERKS, EXCEPT FOOD              040000     2,046
                                              040000       409
                                              040100       409
                                              041100       409
                                              041500       409
                                              149900       409
315  DISPATCHER,STARTER,VEHICLE               041600       187
                                              041600        93
                                              140303        93
320  ENUMERATORS AND INTERVIEWERS             140600       162
                                              140600        81
                                              149900        81
321  ESTIMATRS,INVESTIGATRS,NEC               040200     1,444
                                              040200       144
                                              040400       144
                                              040800       144
                                              041000       144
                                              041300       144
                                              041500       144
                                              140100       144
                                              140303       144
                                              149900       144
                                              171300       144
323  EXPEDITRS,PROD CONTROLLRS                041900       408
                                              041900        81
                                              140303        81
                                              140500        81
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241

		140501	81
		160113	81
325	FILE CLERKS	140300	1,190
		140300	1,190
326	INSURANCE ADJUST, EXAM	041300	431
		041300	215
		149900	215
330	LIBRARY ATTENDANTS,ASSISTANT	140400	437
		140400	437
331	MAIL CARRIERS, POST OFFICE	140403	271
		140403	271
332	MAIL HANDLER,EXC POST OFFICE	140400	458
		140400	229
		140403	229
333	MESSENGRS AND OFFICE BOYS	040100	42
		040100	14
		140300	14
		140400	14
334	METER READERS, UTILITIES	149900	48
		149900	48
341	BOOKKEEPING,BILLING OPERATORS	140104	333
		140104	333
342	CALCULATING MACHINE OPERATOR	140104	115
		140104	115
343	COMPUTER,PERIPHERAL EQUIP	140201	700
		140201	700
344	DUPLICATING MACHINE OPERATOR	140104	63
		140104	63
345	KEYPUNCH OPERATORS	140202	723
		140202	723
350	TABULATING MACHINE OPERATOR	140104	8
		140104	8
355	OTHER OFFICE MACHINE OPERATR	140104	282
		140104	94
		140300	94
		171903	94
360	PAYROLL,TIME KEEPING CLERKS	140100	618
		140100	206
		140303	206
		140600	206
361	POSTAL CLERKS	140403	336
		140403	336
362	PROOFREADERS	149900	142
		149900	142
363	REAL ESTATE APPRAISERS	041700	107
		041700	107
364	RECEPTIONISTS	041800	2,531
		041800	632
		070299	632
		140406	632
		149900	632
370	SECRETARIES, LEGAL	140700	713
		140700	356
		140702	356
371	SECRETARIES, MEDICAL	140700	427
		140700	213
		140702	213
372	SECRETARIES, OTHER	140700	17,754
		140700	8,877
		140701	8,877
374	SHIPPING, RECEIVING CLERKS	040600	928
		040600	185
		140303	185
		140500	185
		140505	185
		149900	185

	STATISTICAL CLERKS	[illegible]	[illegible]
		040400	209
		140100	209
		140500	209
		140501	209
		149900	209
376	STENOGRAPHERS	140700	68
		140700	34
		140703	34
381	STOCK CLERKS, STORE KEEPRS	040600	1,476
		040600	492
		042000	492
		140500	492
382	TEACHERS AIDE,EXC MONITORS	090299	1,363
		090299	454
		140600	454
		160600	454
390	TICKET STATION,EXPRESS AGENTS	041800	416
		041800	138
		041900	138
		140303	138
391	TYPISTS	140700	4,750
		140700	2,375
		140900	2,375
394	MISC CLERICAL WORKERS,NEC	040400	7,952
		040400	566
		040800	568
		041700	568
		049900	568
		070299	568
		140303	568
		140499	568
		140501	568
		140505	568
		140600	568
		149900	568
		170901	568
		171602	568
		171904	568
401	AUTO ACCESSORIES INSTALLERS	170303	5
		170303	2
		173500	2
402	BAKERS	172901	212
		172901	212
403	BLACKSMITHS	010200	32
		010200	10
		010299	10
		172307	10
410	BRICKMASONS AND STONEMASONS	171004	364
		171004	364
413	CABINETMAKERS	173601	189
		173601	189
415	CARPENTERS	171000	3,232
		171000	808
		171001	808
		171010	808
		173601	808
421	CEMENT AND CONCRETE FINISHERS	171004	492
		171004	246
		171099	246
422	COMPOSITORS AND TYPESETTERS	171900	193
		171900	96
		171903	96
425	DECORATRS, WINDOW DRESSRS	040100	308
		040100	102
		090299	102

426	DENTAL LABORATORY TECH	070103	37
		070103	37
430	ELECTRICIANS	171002	1,247
		171002	311
		171400	311
		171401	311
		171403	311
433	ELECTRIC POWR LINEMN, CABLEMN	171401	163
		171401	54
		171403	54
		171501	54
434	ELECTROTYPERS, STEREOTYPERS	171900	10
		171900	10
435	ENGRAVERS, EX PHOTOENGRAVERS	171903	34
		171903	17
		171904	17
440	FLOOR LAYERS, EXC TILE SETTER	171099	78
		171099	78
441	FOREMEN, NEC	010200	2,771
		010200	173
		010201	173
		010202	173
		010401	173
		040100	173
		040600	173
		040900	173
		041900	173
		170600	173
		170901	173
		171001	173
		171601	173
		171602	173
		171700	173
		172302	173
		172307	173
442	FORGEMN AND HAMMERMN	172304	34
		172304	34
443	FURNITURE AND WOOD FINISH	171099	33
		171099	16
		173601	16
445	GLAZIERS	170303	78
		170303	39
		171009	39
452	INSPECTORS, OTHER	010301	391
		010301	27
		010402	27
		041000	27
		041600	27
		170301	27
		171000	27
		171001	27
		171002	27
		171007	27
		171403	27
		171501	27
		171601	27
		172302	27
		172899	27
453	JEWELERS AND WATCHMAKERS	172102	91
		172102	45
		172399	45
454	JOB AND DIE SETTRS, METAL	172301	30
		172301	7
		172302	7
		172304	7

		172305	7
461	MACHINISTS	172200	586
		172200	146
		172302	146
		172303	146
		172399	146
470	AIR COND, HEATING, REFRIG	160110	752
		160110	125
		160113	125
		170100	125
		170101	125
		170199	125
		173000	125
471	AIRCRAFTS	160101	743
		160101	371
		170401	371
472	AUTO BODY REPAIRMEN	170300	169
		170300	84
		170301	84
473	AUTO MECHANICS	040300	1,811
		040300	301
		170300	301
		170301	301
		170302	301
		170303	301
		171403	301
475	DATA PROCESSNG MACH REPAIRMN	160107	229
		160107	114
		160108	114
480	FARM IMPLEMENT	010300	105
		010300	21
		010301	21
		010304	21
		171401	21
		171403	21
481	HEAVY EQUIP MECH,INCL DIESEL	010301	1,558
		010301	311
		010304	311
		171200	311
		171401	311
		171403	311
482	HOUSEHLD APPLIANCE MECHANICS	160109	459
		160109	65
		170200	65
		170201	65
		171002	65
		171401	65
		171403	65
		173601	65
483	LOOM FIXERS	173399	6
		173399	6
484	OFFICE MACHINE REPAIRMEN	170600	140
		170600	140
485	RADIO, TELEVISION REPAIRMN	171401	278
		171401	55
		171403	55
		171502	55
		171503	55
		171900	55
486	RAILROAD, CAR SHOP REPAIRMN	171400	114
		171400	38
		171401	38
		171403	38
492	OTHER MECHANICS AND REPAIRMN	010301	627
		010301	31
		160107	31

		160108	31
		160109	31
		160113	31
		170199	31
		170303	31
		171099	31
		171401	31
		171403	31
		171501	31
		171502	31
		172101	31
		172200	31
		172302	31
		172305	31
		172399	31
		172700	31
		173100	31
		173200	31
501	MILLERS, GRAIN, FLOUR, FEED	010202	14
		010202	7
		010401	7
503	MOLDERS, METAL	172301	44
		172301	22
		172307	22
505	MOTION PICTURE PROJECTIONIST	171599	55
		171599	55
506	OPTICIANS,LENS GRINDR,POLISHR	070601	115
		070601	57
		172101	57
510	PAINTERS,CONSTRUCTION,MAINT	170701	1,117
		170701	558
		171005	558
512	PAPERHANGERS	171005	43
		171005	43
514	PATTERN AND MODEL MAKRS	170703	43
		170703	8
		171300	8
		172302	8
		172307	8
		172309	8
515	PHOTOENGRAVERS,LITHOGRAPHERS	170901	55
		170901	13
		171900	13
		171903	13
		171904	13
516	PIANO,ORGAN TUNRS,REPAIRMN	172100	20
		172100	20
520	PLASTERERS	171006	28
		171006	28
522	PLUMBERS AND PIPEFITTERS	171007	1,316
		171007	1,316
525	POWER STATION OPERATORS	160107	15
		160107	7
		160109	7
530	PRESSMEN AND PLATE PRINTERS	171900	201
		171900	50
		171902	50
		171904	50
		171906	50
533	ROLLERS AND FINISHRS,METAL	172304	33
		172304	16
		172305	16
534	ROOFER AND SLATERS	171010	347
		171010	347
535	SHEET METAL WKRS,TINSMITHS	172304	218
		172304	109

542	SHOE REPAIRMEN	173402	108
		173402	108
543	SIGN PAINTERS AND LETTERS	170700	115
		170700	115
545	STATIONARY ENGINEERS	173200	235
		173200	235
550	STRUCTURAL METAL CRAFT	171007	190
		171007	47
		172304	47
		172305	47
		172399	47
551	TAILORS	173302	259
		173302	259
552	TELEPHONE INSTALLRS,REPAIRMN	171401	415
		171401	138
		171403	138
		171501	138
560	TILESETTERS	171004	52
		171004	52
561	TOOL, DIEMAKERS	172302	86
		172302	43
		172307	43
563	UPHOLSTERERS	171099	241
		171099	120
		173500	120
575	CRAFTSMEN,KINDRD WRKRS, NEC	172700	129
		172700	64
		173400	64
602	ASSEMBLERS	040100	1,857
		040100	168
		160111	168
		171403	168
		171500	168
		171501	168
		171502	168
		172302	168
		172304	168
		172700	168
		173400	168
		173601	168
605	CHAINMN, RODMN,AXMN SURVEYNG	160106	36
		160106	36
610	CHECKRS,EXAMINRS,ETC,MFG	010401	1,266
		010401	84
		090202	84
		140500	84
		160111	84
		160113	84
		170100	84
		170101	84
		171200	84
		171401	84
		171403	84
		171501	84
		171502	84
		172301	84
		172304	84
		173100	84
611	CLOTHING IRONERS AND PRESSER	171601	735
		171601	367
		171602	367
612	CUTTING OPERATIVES, NEC	171403	453
		171403	113
		172301	113
		173500	113

613	DRESSMAKR,SEAMSTRESS,EXC FACT	090202	970
		090202	970
614	DRILLERS, EARTH	160116	
		160116	
615	DRY WALL INSTALLRS, LATHRS	171006	203
		171006	203
620	DYERS	160105	7
		160105	7
621	FILRS,POLISHRS,SANDRS,BUFFRS	172301	79
		172301	19
		172302	19
		172307	19
		173601	19
622	FURNACEMN, SMELTERMN	172301	85
		172301	85
623	GARAGE WORKRS,GAS STAT ATTEN	041600	1,379
		041600	689
		170302	689
624	GRADERS AND SORTERS, MFG	010401	92
		010401	30
		010402	30
		140500	30
625	PROD GRDR,PACKR,EX FACT, FARM	010401	151
		010401	151
630	LAUNDRY, DRY CLEAN OP,NEC	171601	862
		171601	431
		171602	431
631	MEAT CUTTRS,BUTCHRS,EXC MFG	172903	235
		172903	235
633	MEAT CUTTRS,BUTCHRS	010401	122
		010401	122
634	MEAT WRAPPERS, RETAIL TRADE	010401	212
		010401	212
640	MINE OPERATIVES, NEC	160116	- 510
		160116	- 510
641	MIXING OPERATIVES	010202	131
		010202	65
		170901	65
642	OILERS,GREASRS, EXC AUTO	010301	23
		010301	23
644	PAINTERS,MFG ARTICLES	170301	266
		170301	88
		171403	88
		171904	88
645	PHOTOGRAPHIC PROCESS WRKRS	170900	343
		170900	85
		170901	85
		171900	85
		171904	85
651	GRINDING MACHINE OPERATIVES	172301	173
		172301	86
		172307	86
652	LATHE, MILLNG MACH OPERATIVE	172304	190
		172304	95
		173601	95
653	OTHER PRECISION MACH OPR	172302	136
		172302	68
		173601	68
656	PUNCH STAMPING PRESS OP	172304	105
		172304	52
		172305	52
660	RIVETERS AND FASTENERS	172304	19
		172304	9
		173601	9
662	SAWYERS	010700	250

	010700	125
	173601	125
663 SEWERS AND STITCHERS	090204	4,228
	090204	845
	171906	845
	173300	845
	173302	845
	173400	845
671 KNITTERS, LOOPRS, AND TOPPRS	090204	6
	090204	6
672 SPINNERS, TWISTRS, WINDERS	172700	32
	172700	32
680 WELDERS AND FLAME CUTTRS	172304	1,782
	172304	594
	172306	594
	172399	594
681 WINDING OPERATIVES NEC	171403	106
	171403	53
	172304	53
690 MACHINE OPER,MISC SPECIF	010202	2,257
	010202	132
	010400	132
	010401	132
	160105	132
	160116	132
	170901	132
	171003	132
	171602	132
	171903	132
	172301	132
	172302	132
	172303	132
	172304	132
	172305	132
	172399	132
	172700	132
	173400	132
694 OPERATIVES, NEC	010299	2,064
	010299	129
	010301	129
	010401	129
	170401	129
	170901	129
	171007	129
	171099	129
	171900	129
	171903	129
	172102	129
	172302	129
	172304	129
	172399	129
	172700	129
	173400	129
	173500	129
705 DELIVERY AND ROUTEMN	010300	2,380
	010300	476
	040600	476
	040700	476
	040800	476
	149900	476
711 PARKING ATTENDANTS	040300	109
	040300	109
714 TAXICAB DRIVERS, CHAUFFEURS	041900	251
	041900	251
740 ANIMAL CARETAKERS, EXC FARM	010200	108
	010200	21

		010299		21
		010401		21
		010604		21
		019900		21
750	CARPENTERS, HELPERS	171001	-	206
		171001	-	206
751	CONSTR LABR, EXC CARPENTRS HEL	171000		1,922
		171000		320
		171004		320
		171005		320
		171006		320
		171007		320
		171099		320
752	FISHERMEN AND OYSTERMEN	010604	-	80
		010604	-	40
		010607	-	40
753	FREIGHT, MATERIAL HANDLERS	010202		1,303
		010202		325
		040600		325
		041900		325
		140500		325
755	GARDNERS,GROUNDKEEPR,EXC FARM	010500		2,122
		010500		530
		010504		530
		010505		530
		010506		530
761	LUMBERMEN,RAFTSMN,WOODCHOPPR	010700		197
		010700		197
762	STOCK HANDLERS	040200		1,869
		040200		623
		040600		623
		140500		623
770	WAREHOUSEMEN, NEC	140500		143
		140500		143
780	OTHER LABORERS	010101		776
		010101		48
		010505		48
		010607		48
		090201		48
		170200		48
		170201		48
		171002		48
		171005		48
		171009		48
		171010		48
		171099		48
		172301		48
		172304		48
		172399		48
		173400		48
		179900		48
801	FARMERS (OWNERS AND TENANTS)	010100		69
		010100		6
		010101		6
		010102		6
		010104		6
		010301		6
		010302		6
		010305		6
		010306		6
		010307		6
		010505		6
802	FARM MANAGERS	010100		328
		010100		32
		010101		32
		010102		32

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                                                  010104        32
                                                  010200        32
                                                  010301        32
                                                  010302        32
                                                  010305        32
                                                  010306        32
                                                  010307        32
     821  FARM FOREMEN                            010100        74
                                                  010100         6
                                                  010101         6
                                                  010102         6
                                                  010200         6
                                                  010201         6
                                                  010301         6
                                                  010302         6
                                                  010304         6
                                                  010305         6
                                                  010306         6
                                                  010307         6
                                                  010401         6
     822  FARM LABORERS WAGE WRKRS                010100  -  2,011
                                                  010100  -    118
                                                  010101  -    116
                                                  010102  -    118
                                                  010200  -    118
                                                  010201  -    118
                                                  010299  -    118
                                                  010301  -    118
                                                  010302  -    118
                                                  010304  -    118
                                                  010305  -    118
                                                  010306  -    118
                                                  010307  -    118
                                                  010401  -    118
                                                  010402  -    118
                                                  010505  -    118
                                                  019900  -    118
                                                  090201  -    118
     824  FARM LABORERS, SELF-EMPL                010101        10
                                                  010101         2
                                                  010200         2
                                                  010202         2
                                                  010299         2
     901  CHAMBERMAID,MAID,EXC PRIV               090205     1,598
                                                  090205     1,598
     902  CLEANERS AND CHARWOMEN                  090205     2,647
                                                  090205     2,647
     912  COOKS, EXC PRIVATE                      090203     2,793
                                                  090203       931
                                                  172901       931
                                                  172902       931
     915  WAITERS                                 040700     3,293
                                                  040700     1,646
                                                  041900     1,646
     916  FOOD WRKRS,NEC,EXC PRIVATE              090203     1,213
                                                  090203       404
                                                  172901       404
                                                  172902       404
     921  DENTAL ASSISTANTS                       070101       730
                                                  070101       730
     922  HEALTH AIDES, EXCEPT NURSNG             070307       909
                                                  070307       129
                                                  070401       129
                                                  070402       129
                                                  070700       129
                                                  070800       129
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		070907		129
		079900		129
923	HEALTH TRAINEES	070904	•	70
		070904	•	35
		079900	•	35
925	NURSES AIDES, ORDERLIES	070303		4,154
		070303		415
		070304		415
		070399		415
		070400		415
		070499		415
		070800		415
		070904		415
		070905		415
		070907		415
		079900		415
926	PRACTICAL NURSES	070302		4,050
		070302		1,012
		070303		1,012
		070904		1,012
		079900		1,012
931	AIRLINE STEWARDESSES	041900		540
		041900		540
932	ATTEN,RECREATION, AMUSEMENT	010602		242
		010602		80
		041100		80
		041800		80
933	ATTEN,PERSONAL,SERVICE,NEC	040700		163
		040700		32
		041100		32
		041900		32
		090202		32
		090299		32
934	BAGGAGE PORTRS AND BELLHOPS	041100	•	2
		041100	•	1
		041900	•	1
935	BARBERS			
940	BOARDING, LODGNG HOUSEKEEPERS	041100	•	20
		041100	•	20
942	CHILD CARE WRKRS,EXC PRIVATE	090201		3,788
		090201		1,262
		090205		1,262
		090299		1,262
944	HAIRDRESSERS, COSMETOLOGISTS	172602		4,102
		172602		4,102
945	PERSONAL SERVICE APPREN	172602		
		172602		
950	HOUSEKEEPERS, EXC PRIVATE	040700		735
		040700		245
		090203		245
		090205		245
954	WELFARE SERVICE AIDES	090299		90
		090299		90
961	FIREMEN, FIRE PROTECTION	160602		469
		160602		234
		172801		234
962	GUARDS AND WATCHMEN	040200		1,353
		040200		451
		160605		451
		172802		451
963	MARSHALS AND CONSTABLES	160605		71
		160605		71

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964  POLICEMEN AND DETECTIVES         160605     [illegible]
                                      160605     338
                                      172802     338
965  SHERIFFS AND BAILIFFS            160605     180
                                      160605      90
                                      172802      90
981  COOKS, PRIVATE                   090203     313
                                      090203     313
982  HOUSEKEEPERS, PRIVATE            090205     672
                                      090205     672
983  LAUNDRESSES, PRIVATE             090202      74
                                      090202      74
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APPENDIX F

GEOGRAPHIC CODES CROSS-REFERENCE TABLE

GEOGRAPHIC CODES CROSS-REFERENCE TABLE

1. TEA/COO County Codes
2. Federal Information Processing Standard County Codes
3. County Title
4. Independent School District Codes
5. Independent School District Titles
6. Campus Codes
7. Campus Titles
8. Federal Interagency Committee on Education Codes
9. Federal Interagency Committee on Education Titles
10. Standard Metropolitan Statistical Area Codes
11. Standard Metropolitan Statistical Area Titles
12. State Planning Region Codes
13. State Planning Region Titles
14. Council of Government Codes
15. Council of Government Titles
16. Combined Region Codes (Special Census Data on 15 groups of COGS)
17. Combined Region Titles
18. Educational Service Center Codes
19. Educational Service Center Titles
20. Occupational Education and Technology Planning Region Codes
21. Occupational Education and Technology Planning Region Titles
22. Texas Employment Commission District Codes
23. Texas Rehabilitation Commission Region Codes
24. Department of Public Welfare Region Codes
25. State Department of Health Resources Region Codes

Department of Mental Health and Mental Retardation:

    26. Hospital District Codes
    27. School Region Codes
    28. Administrative Region Codes
    29. Catchment Region Codes

30. Industrial Accident Board Region Codes
31. Texas Industrial Commission Region Titles
32. Board of Insurance Region Codes and Titles
33. Texas Youth Council Parole Regions Codes and Titles
34. Water Quality Board Region Codes and Titles
35. Department of Public Safety Region and District Codes
36. Commission on Alcoholism Planning Region Codes
37. Commission for the Blind Region and District Codes
38. Division of Planning Coordination Input/Output Model Region Codes
39. Texas Highway Department Region Codes and Titles
40. Texas Department of Labor and Standards Region Titles
41. Animal Health Commission Region Codes
42. Board of Pardons and Paroles Region Codes and Titles
43. Real Estate Commission Region Codes and Titles
44. Soil and Water Conservation District Codes
45. State Bar of Texas Region Codes
46. Texas Air Control Board Administrative Region Codes and Titles

GEOGRAPHIC CODES CROSS-REFERENCE TABLE

47. Texas Air Control Board Air Pollution Region Codes and Titles
48. State Library Service Region Codes and Titles
49. Texas Department of Agriculture Region Codes and Titles
50. Texas A&M University Agriculture Experimental Station District Codes and Titles
51. Texas Municipal League Region Codes
52. DHEW Professional Standards Review Organization Region Codes
53. Comptroller of Public Accounts Region and District Codes
54. Coordinating Board Junior College and Geographic Region Codes
55. Hill-Burton Regions and Service Areas
56. U. S. Congressional Districts
57. Texas Senate Districts
58. Texas House of Representative Districts

APPENDIX G

SUBSTATE SUPPLY/DEMAND REPORTS AVAILABLE

SUPPLY/DEMAND REPORTS AVAILABLE FOR THE FOLLOWING SEVEN SMSAs:

AUSTIN SMSA
BEAUMONT-PORT ARTHUR-ORANGE SMSA
CORPUS CHRISTI SMSA
DALLAS-FORT WORTH SMSA
EL PASO SMSA
HOUSTON SMSA
SAN ANTONIO SMSA

SUPPLY/DEMAND REPORTS PLANNED FOR THE FOLLOWING SIXTEEN SMSAs:

ABILENE SMSA

AMARILLO SMSA

BROWNSVILLE-HARLINGEN-SAN BENITO SMSA

GALVESTON-TEXAS CITY SMSA

LAREDO SMSA

LONGVIEW SMSA

LUBBOCK SMSA

MCALLEN-PHARR-EDINBURG SMSA

MIDLAND SMSA

ODESSA SMSA

SAN ANGELO SMSA

SHERMAN-DENISON SMSA

TEXARKANA SMSA

TYLER SMSA

WACO SMSA

WICHITA FALLS SMSA

APPENDIX H

ADDITIONAL DOCUMENTS LIST

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1. Special report prepared for the State Plan for Vocational Education showing demand by occupation
   (Report has projections for one year and five years.)

2. Special supply report for the State Plan for Vocational Education showing supply from other sources other than public secondary, post-secondary, and adult institutions (proprietary schools)
   (Report has projections for one year and five years.)

3. Detailed occupational and educational code translations

4. Detailed geographic codes

5. System documentation showing flow charts and computer programs